

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: September 4, 2002, 08:34:54 ; Search time 110.07 Seconds
(without alignments)
1189.577 Million cell updates/sec

Title: US-09-119-209-2

Sequence: 1 MIFPMKCSTQDRLNIFKL.....WLARRLKKGKSGSMNDPY 372

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 3502263 seqs, 351980561 residues

Total number of hits satisfying chosen parameters: 3502263

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database:

Pending_Patents_AA_Main:*

1: /cgn2_6/ptodata/2/paa/US086_COMB.pep.*
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6: /cgn2_6/ptodata/2/paa/US090_COMB.pep.*
7: /cgn2_6/ptodata/2/paa/US091_COMB.pep.*
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25: /cgn2_6/ptodata/2/paa/US109_COMB.pep.*
26: /cgn2_6/ptodata/2/paa/US110_COMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	2116	100.0	372	15	US-09-119-209-2
2	2094	99.0	382	21	US-09-760-475-2123
3	2090	98.8	372	1	PCT-US01-26675-3
4	2076	98.1	385	1	PCT-US92-03970-2
5	2076	98.1	385	1	PCT-US94-00909-2
6	2076	98.1	385	4	US-08-008-459-2
7	2076	98.1	385	7	US-08-340-539-2

8 2076 98.1 385 8 US-08-410-569-2
9 1883 89.0 1078 26 US-60-212-659-523
10 1879 88.8 1078 26 US-60-207-315-428
11 1879 88.8 1078 26 US-60-230-435-1751
12 1807 85.4 341 21 US-09-758-449-1158
13 1807 85.4 341 21 US-09-760-443-1328
14 1651 78.0 372 15 US-09-119-209-4
15 999 47.2 184 21 US-09-760-443-1437
16 999 47.2 184 21 US-09-760-475-3252
17 905 42.8 830 8 PCT-US94-09395-4
18 905 42.8 830 8 US-08-449-687B-4
19 905 42.8 830 24 US-10-020-141-10
20 898 42.4 700 26 US-60-207-315-467
21 862 40.7 610 1 PCT-US99-28965-19
22 862 40.7 610 10 US-08-557-753-2
23 862 40.7 610 11 US-08-770-435-3
24 862 40.7 610 16 US-09-266-091-2
25 862 40.7 610 16 US-09-266-091A-2
26 862 40.7 610 21 US-09-784-356-122
27 862 40.7 610 22 US-09-802-640-36
28 862 40.7 610 22 US-09-857-670-19
29 862 40.7 610 24 US-10-021-660-122
30 666 31.5 119 26 US-60-160-189-8687
31 666 31.5 119 26 US-60-169-867-5823
32 645 30.5 119 26 US-60-160-203-5003
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34 586 27.7 116 26 US-60-160-189-10011
35 586 27.7 116 26 US-60-160-203-6200
36 586 27.7 116 26 US-60-169-840-9326
37 586 27.7 116 26 US-60-169-867-7998
38 473 22.4 196 21 US-09-760-498-916
39 452.5 21.4 129 26 US-60-196-718-4236
40 451.5 21.3 128 26 US-60-195-053-1909
41 451.5 21.3 128 26 US-60-195-053-1908
42 451.5 21.3 128 26 US-60-196-718-4238
43 447.5 21.1 133 26 US-60-196-718-4237
44 416 19.7 112 26 US-60-160-203-3503
45 415.5 19.6 130 26 US-60-196-174-903

ALIGNMENTS

RESULT 1

US-09-119-209-2

Sequence 2, Application US/09119209

GENERAL INFORMATION:

APPLICANT: LASKY, LAURENCE A.

APPLICANT: STACHELL, SCOTT E.

APPLICANT: ROSEN, STEVEN D.

APPLICANT: SINGER, MARK S.

APPLICANT: YEDNOCK, TED A.

TITLE OF INVENTION: LYMPHOCYTE HOMING RECEPTORS

NUMBER OF SEQUENCES: 6

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 Inch, 1.44 Mb floppy disk

COMPUTER: IBM PC Compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Winpatin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/119,209

FILING DATE: 20-Jul-1998

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/513278

FILING DATE: 10-AUG-1995

Sequence 2, Appl1
Sequence 523, App
Sequence 428, App
Sequence 1751, App
Sequence 1158, App
Sequence 1328, App
Sequence 1437, App
Sequence 3252, App
Sequence 4, Appl1
Sequence 4, Appl1
Sequence 10, Appl
Sequence 467, App
Sequence 19, Appl
Sequence 2, Appl1
Sequence 3, Appl1
Sequence 2, Appl1
Sequence 122, App
Sequence 36, Appl
Sequence 19, Appl
Sequence 122, App
Sequence 8687, App
Sequence 5823, App
Sequence 5003, App
Sequence 6716, App
Sequence 10011, A
Sequence 6200, App
Sequence 9326, App
Sequence 7998, App
Sequence 916, App
Sequence 4236, App
Sequence 1908, App
Sequence 1908, App
Sequence 4238, App
Sequence 4237, App
Sequence 3503, App
Sequence 903, App

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/059027
FILING DATE: 6-MAY-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/786149
FILING DATE: 31-OCT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/315015
FILING DATE: 23-FEB-1989
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P0565D1C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 372 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-119-209-2

Query Match 100.0%; Score 2116; DB 15; Length 372;
Best Local Similarity 100.0%; Pred. No. 1.1e-176;
Matches 372; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MIFPMKOSTORDLWNIFFKLMGWTMLCCDFLAHGGTCWTHYSEKPMWQARRRRCRDN 60
DB 1 MIFPMKOSTORDLWNIFFKLMGWTMLCCDFLAHGGTCWTHYSEKPMWQARRRRCRDN 60
QY 61 YTDLVAIONKAEIEYLEKTLPPFSRSYYWIGIRKIGIWTWGTNKSILTEAEWMDGDEPN 120
DB 61 YTDLVAIONKAEIEYLEKTLPPFSRSYYWIGIRKIGIWTWGTNKSILTEAEWMDGDEPN 120
QY 121 NKKNKEDVEIYIKRKNDAGKNNDDACHLKAALCTYASCOQWSCGHECEVEIINNHTC 180
DB 121 NKKNKEDVEIYIKRKNDAGKNNDDACHLKAALCTYASCOQWSCGHECEVEIINNHTC 180
QY 181 NCDVGYGPOCOLVIOCEPLAEPLGTMDCTHPFGNFSFSSQAFSCSGEINTLGIETTT 240
DB 181 NCDVGYGPOCOLVIOCEPLAEPLGTMDCTHPFGNFSFSSQAFSCSGEINTLGIETTT 240
QY 241 CGPFGWSSPEPTCOVIOCEPLASAPDLGIMNCSHPLASFSTACTFTCSGTEILGKKK 300
DB 241 CGPFGWSSPEPTCOVIOCEPLASAPDLGIMNCSHPLASFSTACTFTCSGTEILGKKK 300
QY 301 TICSSGIMNSNPICQKIDKSFMSIKEDYNPFLPVAWVTAFTSGLAFTIWLARRLKK 360
DB 301 TICSSGIMNSNPICQKIDKSFMSIKEDYNPFLPVAWVTAFTSGLAFTIWLARRLKK 360
QY 361 GKSKRSMDPY 372
DB 361 GKSKRSMDPY 372

RESULT 2
US-09-760-475-2123
Sequence 2123, Application US/09760475
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PTZ49
CURRENT APPLICATION NUMBER: US/09/760,475
PRIORITY FILING DATE: 2001-01-16
Prior application data removed - consult PAM or file wrapper
NUMBER OF SEQ ID NOS: 4122
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2123
LENGTH: 382
TYPE: PRT
ORGANISM: Homo sapiens

US-09-760-475-2123

Query Match 99.0%; Score 2094; DB 21; Length 382;
Best Local Similarity 99.2%; Pred. No. 9.9e-175;
Matches 369; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MIFPMKOSTORDLWNIFFKLMGWTMLCCDFLAHGGTCWTHYSEKPMWQARRRRCRDN 60
DB 11 MIFPMKOSTORDLWNIFFKLMGWTMLCCDFLAHGGTCWTHYSEKPMWQARRRRCRDN 70
QY 61 YTDLVAIONKAEIEYLEKTLPPFSRSYYWIGIRKIGIWTWGTNKSILTEAEWMDGDEPN 120
DB 71 YTDLVAIONKAEIEYLEKTLPPFSRSYYWIGIRKIGIWTWGTNKSILTEAEWMDGDEPN 130
QY 121 NKKNKEDVEIYIKRKNDAGKNNDDACHLKAALCTYASCOQWSCGHECEVEIINNHTC 180
DB 131 NKKNKEDVEIYIKRKNDAGKNNDDACHLKAALCTYASCOQWSCGHECEVEIINNHTC 190
QY 181 NCDVGYGPOCOLVIOCEPLAEPLGTMDCTHPFGNFSFSSQAFSCSGEINTLGIETTT 240
DB 191 NCDVGYGPOCOLVIOCEPLAEPLGTMDCTHPFGNFSFSSQAFSCSGEINTLGIETTT 250
QY 241 CGPFGWSSPEPTCOVIOCEPLASAPDLGIMNCSHPLASFSTACTFTCSGTEILGKKK 300
DB 251 CGPFGWSSPEPTCOVIOCEPLASAPDLGIMNCSHPLASFSTACTFTCSGTEILGKKK 310
QY 301 TICSSGIMNSNPICQKIDKSFMSIKEDYNPFLPVAWVTAFTSGLAFTIWLARRLKK 360
DB 311 TICSSGIMNSNPICQKIDKSFMSIKEDYNPFLPVAWVTAFTSGLAFTIWLARRLKK 370
QY 361 GKSKRSMDPY 372
DB 371 GKSKRSMDPY 382

RESULT 3
PCT-US01-26675-3
Sequence 3, Application PC/TUS0126675
GENERAL INFORMATION:
APPLICANT: Genissance Pharmaceuticals, Inc.
APPLICANT: Anastasio, Allison E
APPLICANT: Bieganski, Kathryn M
APPLICANT: Klem, Stefanie E
APPLICANT: Kumar, Anant Madan
TITLE OF INVENTION: HAPLOTYPES OF THE SELL GENE
FILE REFERENCE: SELL MH1116-PCT
CURRENT APPLICATION NUMBER: PCT/US01/26675
PRIORITY FILING DATE: 2001-08-27
PRIOR APPLICATION NUMBER: 60/228,262
PRIORITY FILING DATE: 2000-08-25
NUMBER OF SEQ ID NOS: 101
SOFTWARE: PatentIn version 3.1
SEQ ID NO 3
LENGTH: 372
TYPE: PRT
ORGANISM: Homo sapiens
PCT-US01-26675-3

Query Match 98.8%; Score 2090; DB 1; Length 372;
Best Local Similarity 98.9%; Pred. No. 2.1e-174;
Matches 368; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 MIFPMKOSTORDLWNIFFKLMGWTMLCCDFLAHGGTCWTHYSEKPMWQARRRRCRDN 60
DB 1 MIFPMKOSTORDLWNIFFKLMGWTMLCCDFLAHGGTCWTHYSEKPMWQARRRRCRDN 60
QY 61 YTDLVAIONKAEIEYLEKTLPPFSRSYYWIGIRKIGIWTWGTNKSILTEAEWMDGDEPN 120
DB 61 YTDLVAIONKAEIEYLEKTLPPFSRSYYWIGIRKIGIWTWGTNKSILTEAEWMDGDEPN 120

QY 121 NKKKEDCEVEIYIRKNDAGKNDACHKLKALCYTASCPWMSGSGHECEVEIINNHTC 180
DB 121 NKKKEDCEVEIYIRKNDAGKNDACHKLKALCYTASCPWMSGSGHECEVEIINNHTC 180
QY 181 NCDVGYGPOCQVYIOCEPLAPDLGIMNCSHPLASFSTSACTFICSGTELIGK 240
DB 181 NCDVGYGPOCQVYIOCEPLAPDLGIMNCSHPLASFSTSACTFICSGTELIGK 240
QY 241 CGPFGNMSPEPTQVYIOCEPLAPDLGIMNCSHPLASFSTSACTFICSGTELIGK 300
DB 241 CGPFGNMSPEPTQVYIOCEPLAPDLGIMNCSHPLASFSTSACTFICSGTELIGK 300
QY 301 TICSSGIMSNPSPICOKLDFSMIKEGDYNPLFIPAVAVTAFSGIAFTIWLARLKK 360
DB 301 TICSSGIMSNPSPICOKLDFSMIKEGDYNPLFIPAVAVTAFSGIAFTIWLARLKK 360
QY 361 GKRSKSMNDPY 372
DB 361 GKRSKSMNDPY 372

RESULT 4
PCT-US92-03970-2

Sequence 2, Application PC/TUS9203970
GENERAL INFORMATION:
APPLICANT: Dana-Farber Cancer Institute, Inc.
TITLE OF INVENTION: LEUCOCYTE-ASSOCIATED CELL SURFACE
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Weingarten, Schurgin, Gagnebin & Hayes
STREET: Ten Post Office Square
City: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/03970
FILING DATE: 19920513
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Heine, Holliday C.
REGISTRATION NUMBER: 34,346
REFERENCE/DOCKET NUMBER: DFCI-152Bq9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-2290
TELEFAX: (617) 451-0313
TELEX: 940675
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 385 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US92-03970-2

Query Match 98.1%; Score 2076; DB 1; Length 385;
Best Local Similarity 98.1%; Pred. No. 3.8e-173;
Matches 365; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 MIFPMKQSTQORDLWNTFKLWMTLCCDFLAHGTGWTYHSEKPMNORARPCRDN 60
DB 14 MIFPMKQSTQORDLWNTFKLWMTLCCDFLAHGTGWTYHSEKPMNORARPCRDN 73
QY 61 YTDLVAIONKAELEYELKTLFPSRSYVWIGIRKIGIMTWGNTKSLTEAENNGDEPN 120
DB 74 YTDLVAIONKAELEYELKTLFPSRSYVWIGIRKIGIMTWGNTKSLTEAENNGDEPN 133

QY 121 NKKKEDCEVEIYIRKNDAGKNDACHKLKALCYTASCPWMSGSGHECEVEIINNHTC 180
DB 134 NKKKEDCEVEIYIRKNDAGKNDACHKLKALCYTASCPWMSGSGHECEVEIINNHTC 193
QY 181 NCDVGYGPOCQVYIOCEPLAPDLGIMNCSHPLASFSTSACTFICSGTELIGK 240
DB 194 NCDVGYGPOCQVYIOCEPLAPDLGIMNCSHPLASFSTSACTFICSGTELIGK 253
QY 241 CGPFGNMSPEPTQVYIOCEPLAPDLGIMNCSHPLASFSTSACTFICSGTELIGK 300
DB 254 CGPFGNMSPEPTQVYIOCEPLAPDLGIMNCSHPLASFSTSACTFICSGTELIGK 313
QY 301 TICSSGIMSNPSPICOKLDFSMIKEGDYNPLFIPAVAVTAFSGIAFTIWLARLKK 360
DB 314 TICSSGIMSNPSPICOKLDFSMIKEGDYNPLFIPAVAVTAFSGIAFTIWLARLKK 373
QY 361 GKRSKSMNDPY 372
DB 374 GKRSKSMNDPY 385

RESULT 5
PCT-US94-00909-2

Sequence 2, Application PC/TUS9400909
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS BLOCKING
NUMBER OF SEQUENCES: 11
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EBO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/00909
FILING DATE: 25-JAN-1993
APPLICATION DATA:
APPLICATION NUMBER: US 08/008,459
FILING DATE: 25-JAN-1993
APPLICATION DATA:
APPLICATION NUMBER: US 07/983,606
FILING DATE: 30-NOV-1992
APPLICATION DATA:
APPLICATION NUMBER: US 07/962,483
FILING DATE: 02-APR-1992
APPLICATION DATA:
APPLICATION NUMBER: US 07/770,608
FILING DATE: 03-OCT-1991
APPLICATION DATA:
APPLICATION NUMBER: US 07/737,092
FILING DATE: 29-JUL-1991
APPLICATION DATA:
APPLICATION NUMBER: US 07/730,503
FILING DATE: 08-JUL-1991
APPLICATION DATA:
APPLICATION NUMBER: US 07/700,773
FILING DATE: 15-MAY-1991
APPLICATION DATA:
APPLICATION NUMBER: US 07/313,109
FILING DATE: 21-FEB-1989
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 385 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US94-00909-2

Query Match 98.1%; Score 2076; DB 1; Length 385;
Best Local Similarity 98.1%; Pred. No. 3.8e-173;
Matches 365; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

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QY 1 MIFPKCOSTORDLWNIKFLMGWMLCCDFLAHGGTYCWTYHSEKPMNORARPCRDN 60
DB 14 MIFPKCOSTORDLWNIKFLMGWMLCCDFLAHGGTYCWTYHSEKPMNORARPCRDN 73
QY 61 YNDLVAIONKAEIEYEKTLPSRSYWIWIGIRKIGIMTWVGNKSLTEAEAWMGDEPN 120
DB 74 YNDLVAIONKAEIEYEKTLPSRSYWIWIGIRKIGIMTWVGNKSLTEAEAWMGDEPN 133
QY 121 NKKNEDECVETIKRNKDKGKNDACHKLAALCTASCOPWSCSGHCEVEIINNHC 180
DB 134 NKKNEDECVETIKRNKDKGKNDACHKLAALCTASCOPWSCSGHCEVEIINNHC 193
QY 181 NCDVGYGQCQOLVIOCEPLAPDLGIMNCSHPLASFSTACTFTSEGTGLGKK 240
DB 194 NCDVGYGQCQOLVIOCEPLAPDLGIMNCSHPLASFSTACTFTSEGTGLGKK 253
QY 241 CGPFGNWSPEPTCOVIOCEPLAPDLGIMNCSHPLASFSTACTFTSEGTGLGKK 300
DB 254 CGPFGNWSPEPTCOVIOCEPLAPDLGIMNCSHPLASFSTACTFTSEGTGLGKK 313
QY 301 TICSSGIMSNPSICQKDKSFMKEGDYNPLFIPVAVMTAFSGLAFTIILARLTK 360
DB 314 TICSSGIMSNPSICQKDKSFMKEGDYNPLFIPVAVMTAFSGLAFTIILARLTK 373
QY 361 GKSKRSMDPY 372
DB 374 GKSKRSMDPY 385

```

RESULT 6
US-08-008-459-2
Sequence 2, Application US/08008459

```

GENERAL INFORMATION:
APPLICANT: Tedder, Thomas F.
APPLICANT: Kansas, Geoffrey S.
TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESS: Weingarten, Schurgin, Gagnebin & Hayes
STREET: Ten Post Office Square
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/008,459
FILING DATE: 25-JAN-1993
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/983,606
FILING DATE: 30-NOV-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/862,483
FILING DATE: 02-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/770,608
FILING DATE: 03-OCT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/737,092
FILING DATE: 29-JUL-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/730,503
FILING DATE: 08-JUL-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/700,773
FILING DATE: 15-MAY-1991

```

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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/313,109
FILING DATE: 21-FEB-1989
ATTORNEY/AGENT INFORMATION:
NAME: Heine, Holiday C.
REGISTRATION NUMBER: 34,346
REFERENCE/DOCKET NUMBER: DFCI-318XX
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-2290
TELEFAX: (617) 451-0313
TELEX: 940675
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 385 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-008-459-2

```

Query Match 98.1%; Score 2076; DB 4; Length 385;
Best Local Similarity 98.1%; Pred. No. 3.8e-173;
Matches 365; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

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QY 1 MIFPKCOSTORDLWNIKFLMGWMLCCDFLAHGGTYCWTYHSEKPMNORARPCRDN 60
DB 14 MIFPKCOSTORDLWNIKFLMGWMLCCDFLAHGGTYCWTYHSEKPMNORARPCRDN 73
QY 61 YNDLVAIONKAEIEYEKTLPSRSYWIWIGIRKIGIMTWVGNKSLTEAEAWMGDEPN 120
DB 74 YNDLVAIONKAEIEYEKTLPSRSYWIWIGIRKIGIMTWVGNKSLTEAEAWMGDEPN 133
QY 121 NKKNEDECVETIKRNKDKGKNDACHKLAALCTASCOPWSCSGHCEVEIINNHC 180
DB 134 NKKNEDECVETIKRNKDKGKNDACHKLAALCTASCOPWSCSGHCEVEIINNHC 193
QY 181 NCDVGYGQCQOLVIOCEPLAPDLGIMNCSHPLASFSTACTFTSEGTGLGKK 240
DB 194 NCDVGYGQCQOLVIOCEPLAPDLGIMNCSHPLASFSTACTFTSEGTGLGKK 253
QY 241 CGPFGNWSPEPTCOVIOCEPLAPDLGIMNCSHPLASFSTACTFTSEGTGLGKK 300
DB 254 CGPFGNWSPEPTCOVIOCEPLAPDLGIMNCSHPLASFSTACTFTSEGTGLGKK 313
QY 301 TICSSGIMSNPSICQKDKSFMKEGDYNPLFIPVAVMTAFSGLAFTIILARLTK 360
DB 314 TICSSGIMSNPSICQKDKSFMKEGDYNPLFIPVAVMTAFSGLAFTIILARLTK 373
QY 361 GKSKRSMDPY 372
DB 374 GKSKRSMDPY 385

```

RESULT 7
US-08-340-539-2
Sequence 2, Application US/08340539

```

GENERAL INFORMATION:
APPLICANT: Tedder, Thomas F.
APPLICANT: Kansas, Geoffrey S.
TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESS: Weingarten, Schurgin, Gagnebin & Hayes
STREET: Ten Post Office Square
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

```


SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/340,539
FILING DATE: 16-NOV-1994
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/008,459
FILING DATE: 25-JAN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/983,606
FILING DATE: 30-NOV-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/862,483
FILING DATE: 02-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/770,608
FILING DATE: 03-OCT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/737,092
FILING DATE: 29-JUL-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/730,503
FILING DATE: 08-JUL-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/700,773
FILING DATE: 15-MAY-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/313,109
FILING DATE: 21-FEB-1989
ATTORNEY/AGENT INFORMATION:
NAME: Heine, Holliday C.
REGISTRATION NUMBER: 34,346
REFERENCE/DOCKET NUMBER: DFCI-318XX
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-2290
TELEFAX: (617) 451-0313
TELEX: 940675
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 385 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-340-539-2

Query Match 98.1%; Score 2076; DB 7; Length 385;
Best Local Similarity 98.1%; Pred. No. 3.8e-173;
Matches 365; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
QY 1 MIFPMKQSTORDLWNTFKLGMWMLCCDFLAHHGTYCWTYHSEKPMNORARFCRDN 60
DB 14 MIFPMKQSTORDLWNTFKLGMWMLCCDFLAHHGTYCWTYHSEKPMNORARFCRDN 73
QY 61 YTDVAIONKAEIYLEKTLFPRSRYWIGIRKIGITWTVGKSLTEEAENNGDGP 120
DB 74 YTDVAIONKAEIYLEKTLFPRSRYWIGIRKIGITWTVGKSLTEEAENNGDGP 133
QY 121 NKKNKEDCEVEIYIRKNDAGKWDACHKLAALCYTASCPWSCSGHGECEVEIINNTTC 180
DB 134 NKKNKEDCEVEIYIRKNDAGKWDACHKLAALCYTASCPWSCSGHGECEVEIINNTTC 193
QY 181 NCDVGYGPOQOLYIOCEPLAPDLGIMNCSHPLASFSFTSACTFICSGTELGK 240
DB 194 NCDVGYGPOQOLYIOCEPLAPDLGIMNCSHPLASFSFTSACTFICSGTELGK 253
QY 241 CGPFGNMSPEPTQVIOCEPLAPDLGIMNCSHPLASFSFTSACTFICSGTELGK 300
DB 254 CGPFGNMSPEPTQVIOCEPLAPDLGIMNCSHPLASFSFTSACTFICSGTELGK 313
QY 301 TICSSGIWNSPITCQKLDKSFMSIKEGDYNPLFIPAAVWVTAFFSGLAFIIMLARLKK 360
DB 314 TICSSGIWNSPITCQKLDKSFMSIKEGDYNPLFIPAAVWVTAFFSGLAFIIMLARLKK 373

QY 361 GKSKSRMNDPY 372
DB 374 GKSKSRMNDPY 385

RESULT 8
US-08-410-569-2
Sequence 2, Application US/08410569
GENERAL INFORMATION:
APPLICANT: Tedder, Thomas F.
TITLE OF INVENTION: LEUKOCYTE ADHESION MOLECULE-1 (LAM-1)
TITLE OF INVENTION: AND LEGEND THEREOF
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Weingarten, Schurgin, Gagnebin & Hayes
STREET: Ten Post Office Square
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/410,569
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/770,608
FILING DATE: 03-OCT-1991
APPLICATION NUMBER: US 07/700,773
FILING DATE: 15-MAY-1991
ATTORNEY/AGENT INFORMATION:
NAME: Heine, Holliday C.
REGISTRATION NUMBER: 34,346
REFERENCE/DOCKET NUMBER: DFCG-152EX
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-2290
TELEFAX: (617) 451-0313
TELEX: 940675
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 385 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-410-569-2

Query Match 98.1%; Score 2076; DB 8; Length 385;
Best Local Similarity 98.1%; Pred. No. 3.8e-173;
Matches 365; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
QY 1 MIFPMKQSTORDLWNTFKLGMWMLCCDFLAHHGTYCWTYHSEKPMNORARFCRDN 60
DB 14 MIFPMKQSTORDLWNTFKLGMWMLCCDFLAHHGTYCWTYHSEKPMNORARFCRDN 73
QY 61 YTDVAIONKAEIYLEKTLFPRSRYWIGIRKIGITWTVGKSLTEEAENNGDGP 120
DB 74 YTDVAIONKAEIYLEKTLFPRSRYWIGIRKIGITWTVGKSLTEEAENNGDGP 133
QY 121 NKKNKEDCEVEIYIRKNDAGKWDACHKLAALCYTASCPWSCSGHGECEVEIINNTTC 180
DB 134 NKKNKEDCEVEIYIRKNDAGKWDACHKLAALCYTASCPWSCSGHGECEVEIINNTTC 193
QY 181 NCDVGYGPOQOLYIOCEPLAPDLGIMNCSHPLASFSFTSACTFICSGTELGK 240
DB 194 NCDVGYGPOQOLYIOCEPLAPDLGIMNCSHPLASFSFTSACTFICSGTELGK 253

QY	241	CGPFGNMSSPEPTQOVIOQCEPLSPBDLGIMNC	HPLASFSFTSACFTICSEDTGELLGKK	360
	254	CEPFGNMSSPEPTQOVIOQCEPLSPBDLGIMNC <td>HPLASFSFTSACFTICSEDTGELLGKK</td> <td>313.3</td>	HPLASFSFTSACFTICSEDTGELLGKK	313.3
QY	301	TICESSGIWSNPSDPCQKLKSF <td>SMIKEDGYNPLFTIVAVMVAFA</td> <td>SLAIIIMLARLTK 360</td>	SMIKEDGYNPLFTIVAVMVAFA	SLAIIIMLARLTK 360
	314	TICESSGIWSNPSDPCQKLKSF <td>SMIKEDGYNPLFTIVAVMVAFA</td> <td>SLAIIIMLARLTK 373</td>	SMIKEDGYNPLFTIVAVMVAFA	SLAIIIMLARLTK 373
QY	361	GKSKSRSMNDPY	372	
	374	GKSKSRSMNDPY	385	

```

RESULT          9
US-60-212-659-523
: Sequence 523. Application US/60212659
: GENERAL INFORMATION:
: APPLICANT: Beasley, Ellen
: TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,
: TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND
: TITLE OF INVENTION: USES THEREOF
: FILE REFERENCE: CL000674
: CURRENT APPLICATION NUMBER: US/60/212,659
: CURRENT FILING DATE: 2000-06-19
: NUMBER OF SEQ ID NOS: 879
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 523
: LENGTH: 1078
: TYPE: PRT
: ORGANISM: HUMAN
: US-60-212-659-523

```

Query Match	89.0%;	Score 1883;	DB 26;	Length 1078;
Best Local Similarity	97.4%;	Pred. NO. 1.1e-155;		
Matches 336;	Conservative 3;	Mismatches 6;	Indels 0;	Gaps 0;

QY	22	GWTLMDCCDELAHHGYTCMTYHYSEKPMNMORARPFCDNTDLYAIIONKKEIELEKTLR	81
	1:	:	:
Db	604	GYFLPCKDFLAHHGTDCWYIYHSEKPMNMORARPFCDNTDLYAIIONKKEIELEKTLR	663
QY	82	FSRSYIYWGIRKIGGIWTVWGVINKSLTEAEANNQDGEPPNNKKKNEDEVEIYIRKNKDAG	141
Db	664	FSRSYIYWGIRKIGGIWTVWGVINKSLTEAEANNQDGEPPNNKKKNEDEVEIYIRKNKDAG	723
QY	142	WMDDACCHKAKALCYASOCQPMSCSGHGEVEIITNNHTCQDVGYYGPOCQVIYOCPELE	201
Db	724	WMDDACCHKAKALCYASOCQPMSCSGHGEVEIITNNHTCQDVGYYGPOCQVIYOCPELE	783
QY	202	ADELGTMDCTHPPGNSESSOCAFSCSEGTNLTGIEITTCGPPGNMSSPEPTQOVIOCEP	261
Db	784	ADELGTMDCTHPPGNSESSOCAFSCSEGTNLTGIEITTCGPPGNMSSPEPTQOVIOCEP	843
QY	262	ISAPDLGIMNCSHPLASFSTACTPFCSEGTFLICKKTTICSSGJWMSNPSPLOCKLDK	321
Db	844	ISAPDLGIMNCSHPLASFSTACTPFCSEGTFLICKKTTICSSGJWMSNPSPLOCKLDK	903
QY	322	SFSMTKEGDYNEFLIPVANMYTAFSGLAFITMLARLKAGKSKSR	366
Db	904	SFSMTKEGDYNEFLIPVANMYTAFSGLAFITMLARLKAGKSKSR	948

```

RESULT 10
US-60-207-315-428
; Sequence 428, Application US/60207315
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: CL000601
; CURRENT APPLICATION NUMBER: US/60/207,315
; CURRENT FILING DATE: 2000-05-30

```

```

; NUMBER OF SEQ ID NOS: 528
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 428
; LENGTH: 1078
; TYPE: PRT
; ORGANISM: HUMAN
; US-60-207-315-428

```

Query Match	88.8%;	Score 1879;	DB 26;	Length 1078;
Best Local Similarity	97.1%;	Pred. No. 2.5e-155;		
Matches 335;	Conservative 3;	Mismatches 7;	Indels 0;	Gaps 0;

QY	22	GWTMJCDEFLAHNGTCWYHYHSEKPMWQARPCEDNTDTLVALONKALETYEKTP	81
Db	604	GFLPSKDEFLAHNGTCWYHYHSEKPMWQARPCEDNTDTLVALONKALETYEKTP	666
QY	82	FSRSTYWTGTRKGGITWTVGNKSLEADBNMGDSEPNKKNKEDCVETITRKNKDGK	141
Db	664	FSRSTYWTGTRKGGITWTVGNKSLEADBNMGDSEPNKKNKEDCVETITRKNKDGK	722
QY	142	WMDACHKLALALCYASQOPMSCSGHCEVEIINNHTCQCDVGYGPOCOLVIOCEPL	20
Db	724	WMDACHKLALALCYASQOPMSCSGHCEVEIINNHTCQCDVGYGPOCOLVIOCEPL	78
QY	202	APELGTMDCTHPGNGFNSSSOCARSCSEGINLTGIEFTTCGPGMSSSEPTCOYIOCEP	261
Db	784	APELGTMDCTHPGNGFNSSSOCARSCSEGINLTGIEFTTCGPGMSSSEPTCOYIOCEP	843
QY	262	LSAPDGIIMNSCHPLASFSFTSACFTICISEGTELIGKRTTICSSGIMSNSPSTIOOKDK	321
Db	844	LSAPDGIIMNSCHPLASFSFTSACFTICISEGTELIGKRTTICSSGIMSNSPSTIOOKDK	903
QY	322	SFSMIKEGDNPLFLPVAVMYATARSGLAFTIIMLARLKKGKSKR	366
Db	904	SFSMIKEGDNPLFLPVAVMYATARSGLAFTIIMLARLKKGKSKR	948

```

RESULT 11
US-60-230-435-1751
: Sequence 1751, Application US/60230435
: GENERAL INFORMATION:
: APPLICANT: Beasley, Ellen
: TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,
: TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND
: TITLE OF INVENTION: USES THEREOF
: FILE REFERENCE: CLO00768
: CURRENT APPLICATION NUMBER: US/60/230,435
: CURRENT FILING DATE: 2000-09-06
: NUMBER OF SEQ ID NOS: 2991
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 1751
: LENGTH: 1078
: TYPE: PRT
: ORGANISM: HUMAN
US-60-230-435-1751

```

	Query Match	88.8%	Score 1879	DB 26	Length 1078
	Best Local Similarity	97.1%	Pred. No. 2.5e-155		
	Matches 333	Conservative	3	Mismatches 7	Indels 0
QY	22	GMTWLCDFLAHHGTYCWTYHSEKPMNQRRRCRNDYTDVAIONKAEIEYLEKTP	81		
Db	604	GYFLPSKDFLAHHGTDGWTYHSEKPMNQRRRCRNDYTDVAIONKAEIEYLEKTP	663		
QY	82	FMSRYIYIGIRKTGGIWTWVGINKSLTEBAENWGDEPNRNKRKEDCEVEIYIKRNMDAG	141		
Db	664	FMSRYIYIGIRKTGGIWTWVGINKSLTEBAENWGDEPNRNKRKEDCEVEIYIKRNMDAG	723		
QY	142	WINDACHKLAALCYASQCPMSCSGHGEVCIIINNHCHNCNDVGYTPQCQVLYICEPPE	201		
Db	724	WINDACHKLAALCYASQCPMSCSGHGEVCIIINNHCHNCNDVGYTPQCQVLYICEPPE	783		

QY 202 APELGTMDCTHPFNGNFSFSSOCASFCSBGTNLGTGIEFTTGPFGNMSPEPTCOVIOCEP 261
DB 784 APELGTMDCTHPFNGNFSFSSOCASFCSBGTNLGTGIEFTTGPFGNMSPEPTCOVIOCEP 843
QY 262 LSAPDLGIMNCSHPLASFSFTSACTFTICSEGTTELIGKKTICSSGIMNSPICOIKDK 321
DB 844 LSAPDLGIMNCSHPLASFSFTSACTFTICSEGTTELIGKKTICSSGIMNSPICOIKDK 903
QY 322 SFSMIKEDGVNPLFIPAVAVMTAFSGLAFTITWLARLKKKSKR 366
DB 904 SFSMIKEDGVNPLFIPAVAVMTAFSGLAFTITWLARLKKKSKR 948

RESULT 12
US-09-758-449-1158
; Sequence 1158, Application US/09758449
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, proteins, and antibodies
; FILE REFERENCE: PM026
; CURRENT APPLICATION NUMBER: US/09/758,449
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; NUMBER OF SEQ ID NOS: 1478
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 1158
; LENGTH: 341
; TYPE: PR
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (215)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-758-449-1158

Query Match 85.4%; Score 1807; DB 21; Length 341;
Best Local Similarity 98.7%; Pred. No. 1.3e-149;
Matches 313; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 MIFPMKQSTORDLNIFFKLMGWTMLCCDPLAHNGTYCWTYHYSEKPMNORARFCRDN 60
DB 23 MIFPMKQSTORDLNIFFKLMGWTMLCCDPLAHNGTYCWTYHYSEKPMNORARFCRDN 82
QY 61 YTDLVAIONKAEIYLEKTLPFSRSYWIIGIRKIGITWVGNKSLTEAEENMGDEPN 120
DB 83 YTDLVAIONKAEIYLEKTLPFSRSYWIIGIRKIGITWVGNKSLTEAEENMGDEPN 142
QY 121 NKKKEDCEVEIYIRKNDAGKNDACHKLAALCYTASCPWMSGSGHGECEVEIINNHTC 180
DB 143 NKKKEDCEVEIYIRKNDAGKNDACHKLAALCYTASCPWMSGSGHGECEVEIINNHTC 202
QY 181 NCDVGYGPOQOLYIOCEPLAPDLGIMNCSHPLASFSFTSACTFTICSEGTTELIGKKT 240
DB 203 NCDVGYGPOQOLYIOCEPLAPDLGIMNCSHPLASFSFTSACTFTICSEGTTELIGKKT 262
QY 241 CGPFGNMSPEPTCOVIOCEPLAPDLGIMNCSHPLASFSFTSACTFTICSEGTTELIGKKT 300
DB 263 CGPFGNMSPEPTCOVIOCEPLAPDLGIMNCSHPLASFSFTSACTFTICSEGTTELIGKKT 322
QY 301 TICSSGIMNSPICO 317
DB 323 TICSSGIMNSPICO 339

RESULT 13
US-09-760-443-1328
; Sequence 1328, Application US/09760443
; GENERAL INFORMATION:

; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, proteins, and antibodies
; FILE REFERENCE: P1212
; CURRENT APPLICATION NUMBER: US/09/760,443
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION data removed - refer to P1212 or file wrapper
; NUMBER OF SEQ ID NOS: 2164
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 1328
; LENGTH: 341
; TYPE: PR
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (215)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-760-443-1328

Query Match 85.4%; Score 1807; DB 21; Length 341;
Best Local Similarity 98.7%; Pred. No. 1.3e-149;
Matches 313; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 MIFPMKQSTORDLNIFFKLMGWTMLCCDPLAHNGTYCWTYHYSEKPMNORARFCRDN 60
DB 23 MIFPMKQSTORDLNIFFKLMGWTMLCCDPLAHNGTYCWTYHYSEKPMNORARFCRDN 82
QY 61 YTDLVAIONKAEIYLEKTLPFSRSYWIIGIRKIGITWVGNKSLTEAEENMGDEPN 120
DB 83 YTDLVAIONKAEIYLEKTLPFSRSYWIIGIRKIGITWVGNKSLTEAEENMGDEPN 142
QY 121 NKKKEDCEVEIYIRKNDAGKNDACHKLAALCYTASCPWMSGSGHGECEVEIINNHTC 180
DB 143 NKKKEDCEVEIYIRKNDAGKNDACHKLAALCYTASCPWMSGSGHGECEVEIINNHTC 202
QY 181 NCDVGYGPOQOLYIOCEPLAPDLGIMNCSHPLASFSFTSACTFTICSEGTTELIGKKT 240
DB 203 NCDVGYGPOQOLYIOCEPLAPDLGIMNCSHPLASFSFTSACTFTICSEGTTELIGKKT 262
QY 241 CGPFGNMSPEPTCOVIOCEPLAPDLGIMNCSHPLASFSFTSACTFTICSEGTTELIGKKT 300
DB 263 CGPFGNMSPEPTCOVIOCEPLAPDLGIMNCSHPLASFSFTSACTFTICSEGTTELIGKKT 322
QY 301 TICSSGIMNSPICO 317
DB 323 TICSSGIMNSPICO 339

RESULT 14
US-09-119-209-4
; Sequence 4, Application US/09119209-4
; GENERAL INFORMATION:
; APPLICANT: LASKY, LAURENCE A.
; APPLICANT: STACHELL, SCOTT E.
; APPLICANT: ROSEN, STEVEN D.
; APPLICANT: SINGER, MARK S.
; APPLICANT: YEDROCK, TED A.
; TITLE OF INVENTION: LYMPHOCYTE HOMING RECEPTORS
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/119,209


```
; APPLICANT: Board of Regents of the University of Oklahoma
; TITLE OF INVENTION: Expression Control Sequences of the P-Selectin Gene
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Patrea L. Pabst
; STREET: 1100 Peachtree Street, Suite 2800
; CITY: Atlanta
; STATE: GA
; COUNTRY: USA
; ZIP: 30309-4530
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/09395
; FILING DATE: 19-AUG-1994
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Pabst, Patrea L.
; REGISTRATION NUMBER: 31,284
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404)-815-6508
; TELEFAX: (404)-815-6555
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 830 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; PCT-US94-09395-4
```

```
Query Match 42.8%; Score 905; DB 1; Length 830;
Best Local Similarity 50.6%; Pred. No. 5.1e-70;
Matches 157; Conservative 47; Mismatches 106; Indels 0; Gaps 0;
```

```
QY 8 QSTORDLNIIFKLMGWTMLCCDFLAHNGTYCWYHYSEKPMNQRARFCRDNYTDLVAI 67
   ||||| | : : : : : ||||| | : : : : : ||||| |
Db 11 QRFQRYVFGISQLCFALISELTNQKEVAAMTYHYSTKAYSMWISKRYCONRTDVAI 70
   ||||| | : : : : : ||||| | : : : : : ||||| |
QY 68 QNKAEIYLEKTLPEFSRYWIGIRKIGITWYGTNKSLEEAENMGDEPNKKKKED 127
   ||||| | : : : : : ||||| | : : : : : ||||| |
Db 71 QNKNEIDYLNKVLPRYSYWIIGIRKNNKWTWGTAKKALTNEAENMADNEPNKKRNED 130
   ||||| | : : : : : ||||| | : : : : : ||||| |
QY 128 CVELIYIRNKDAGKWDACHKLLKALCYTASCPMCSGSGHECEVEIINNHTNCQDGY 187
   ||||| | : : : : : ||||| | : : : : : ||||| |
Db 131 CVELIYISPARPGKWNDEHLKKHALCYTASCDMSCKSGKECLETIGNTCSCYPGFY 190
   ||||| | : : : : : ||||| | : : : : : ||||| |
QY 188 GPQCQVLIQCEPLAPBLGIMTDCNHPFGNFSFSSQCAFSCSEGNLTGIEETTCGPGNW 247
   ||||| | : : : : : ||||| | : : : : : ||||| |
Db 191 GPECEYVREGCELELPQHVILNCSHPGNSFNSQCSFHCTDGYQVNGPSKLECLASGIW 250
   ||||| | : : : : : ||||| | : : : : : ||||| |
QY 248 SSEPTECOVIOCEPLAPDLGIMNCSHPILASFSTSACTFICSGTELGKKTICSSG 307
   ||||| | : : : : : ||||| | : : : : : ||||| |
Db 251 TNKPRQCLAACPPKLTIPRGNMICLSAKAFHOSSCSFSCGEGFALVGEVYQCTASG 310
   ||||| | : : : : : ||||| | : : : : : ||||| |
QY 308 IWSNPSPICQ 317
   ||||| | : : : : : ||||| | : : : : : ||||| |
Db 311 VWTAPAPVCK 320
   ||||| | : : : : : ||||| | : : : : : ||||| |

RESULT 18
US-08-449-687B-4
; Sequence 4, Application US/08449687B
; GENERAL INFORMATION:
; APPLICANT: McEvey, Rodger P.
; TITLE OF INVENTION: Expression Control Sequences of the
; P-Selectin Gene
; NUMBER OF SEQUENCES: 17
```

```
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Patrea L. Pabst
; STREET: 2800 One Atlantic Center
; STREET: 1201 West Peachtree Street
; CITY: Atlanta
; STATE: GA
; COUNTRY: USA
; ZIP: 30309-3450
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/449,687B
; FILING DATE: 24-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/110,158
; FILING DATE: 20-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/320,408
; FILING DATE: 08-MAR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Pabst, Patrea L.
; REGISTRATION NUMBER: 31,284
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404)873-8794
; TELEFAX: (404)873-8795
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 830 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-449-687B-4
```

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Query Match 42.8%; Score 905; DB 8; Length 830;
Best Local Similarity 50.6%; Pred. No. 5.1e-70;
Matches 157; Conservative 47; Mismatches 106; Indels 0; Gaps 0;
```

```
QY 8 QSTORDLNIIFKLMGWTMLCCDFLAHNGTYCWYHYSEKPMNQRARFCRDNYTDLVAI 67
   ||||| | : : : : : ||||| | : : : : : ||||| |
Db 11 QRFQRYVFGISQLCFALISELTNQKEVAAMTYHYSTKAYSMWISKRYCONRTDVAI 70
   ||||| | : : : : : ||||| | : : : : : ||||| |
QY 68 QNKAEIYLEKTLPEFSRYWIGIRKIGITWYGTNKSLEEAENMGDEPNKKKKED 127
   ||||| | : : : : : ||||| | : : : : : ||||| |
Db 71 QNKNEIDYLNKVLPRYSYWIIGIRKNNKWTWGTAKKALTNEAENMADNEPNKKRNED 130
   ||||| | : : : : : ||||| | : : : : : ||||| |
QY 128 CVELIYIRNKDAGKWDACHKLLKALCYTASCPMCSGSGHECEVEIINNHTNCQDGY 187
   ||||| | : : : : : ||||| | : : : : : ||||| |
Db 131 CVELIYISPARPGKWNDEHLKKHALCYTASCDMSCKSGKECLETIGNTCSCYPGFY 190
   ||||| | : : : : : ||||| | : : : : : ||||| |
QY 188 GPQCQVLIQCEPLAPBLGIMTDCNHPFGNFSFSSQCAFSCSEGNLTGIEETTCGPGNW 247
   ||||| | : : : : : ||||| | : : : : : ||||| |
Db 191 GPECEYVREGCELELPQHVILNCSHPGNSFNSQCSFHCTDGYQVNGPSKLECLASGIW 250
   ||||| | : : : : : ||||| | : : : : : ||||| |
QY 248 SSEPTECOVIOCEPLAPDLGIMNCSHPILASFSTSACTFICSGTELGKKTICSSG 307
   ||||| | : : : : : ||||| | : : : : : ||||| |
Db 251 TNKPRQCLAACPPKLTIPRGNMICLSAKAFHOSSCSFSCGEGFALVGEVYQCTASG 310
   ||||| | : : : : : ||||| | : : : : : ||||| |
QY 308 IWSNPSPICQ 317
   ||||| | : : : : : ||||| | : : : : : ||||| |
Db 311 VWTAPAPVCK 320
   ||||| | : : : : : ||||| | : : : : : ||||| |

RESULT 19
US-10-020-141-10
; Sequence 10, Application US/10020141
; GENERAL INFORMATION:
; APPLICANT: McCarthy, Jeanette
```


Query March	40.7%	Score 862	DB 21	Length 610
Best Local Similarity	52.0%	Pred. No. 2.1e-66		
Matches 145	Conservative 41	Mismatches 93	Indels 0	Gaps 0
39 WYHHSEKPNMQRARRCRNDYDAIQKALIELEKTPFSRKYVIGIRKGGIM 98				


```
Db 22 WSYNTSTEAATYDEASAYCOORYTHLVAIONKEIEYLNLSISPSYWIIGIRKVNWV 81
Qy 99 TWGTSNLSLEAEANMGDGEPPNNKKNKEDCEYIYIKRNKDAGKNNDDACHKRLKALCYTA 158
Db 82 VWGTOPLTEBAKNAAPGEPNNRQKDEDCVEIYIKREKDVGMNDECSKKLALCYTA 141
Qy 159 SCOPWCSGSGHECEYIINNHTCNCVDVYGGPQOLVIOCEPLAEPDLGTMDCRHPFGNFS 218
Db 142 ACTNTSCSGHGECEYIINNHTCKDCDPGFSGLKCEQIYNCTALBESPEHSGSLVCSHPLGNFS 201
Qy 219 FSSOCARFSCSEBGNLTGIEETTCGPFGNWSSPEPTCOVIOCEPLSADPLGIMNCSHPLAS 278
Db 202 YNSSCSISCDRGYLPSSMETWQCSSEMSAPIPACNVVEDDAVTNPANGFVECFQNPGS 261
Qy 279 FSTFSACTFICSEGTTELIGKKKTICSSGIMSNPSPIQ 317
Db 262 FPMWTTCTFDCBEGFELMGAQSLQCTSSGWNMDNEKPTCK 300

RESULT 27
US-09-802-640-36
; Sequence 36, Application US/09802640
; GENERAL INFORMATION:
; APPLICANT: Braun, Andreas
; APPLICANT: Bonsal Aruna
; APPLICANT: Kleyn Patrick
; TITLE OF INVENTION: GENES AND POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: 24736-2048
; CURRENT APPLICATION NUMBER: US/09/802,640
; CURRENT FILING DATE: 2001-03-09
; NUMBER OF SEQ ID NOS: 122
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 36
; LENGTH: 610
; TYPE: PRT
; ORGANISM: Homo saplen
US-09-802-640-36

Query Match 40.7%; Score 862; DB 22; Length 610;
Best Local Similarity 52.0%; Pred. No. 2,1e-66;
Matches 145; Conservative 41; Mismatches 93; Indels 0; Gaps 0;
```

```
Qy 39 WTHYSEKPMNMORARFCRDNTDVAIONKAEIYLEKTLPPRSRYWYIGIRKIGIW 98
Db 22 WSYNTSTEAATYDEASAYCOORYTHLVAIONKEIEYLNLSISPSYWIIGIRKVNWV 81
Qy 99 TWGTSNLSLEAEANMGDGEPPNNKKNKEDCEYIYIKRNKDAGKNNDDACHKRLKALCYTA 158
Db 82 VWGTOPLTEBAKNAAPGEPNNRQKDEDCVEIYIKREKDVGMNDECSKKLALCYTA 141
Qy 159 SCOPWCSGSGHECEYIINNHTCNCVDVYGGPQOLVIOCEPLAEPDLGTMDCRHPFGNFS 218
Db 142 ACTNTSCSGHGECEYIINNHTCKDCDPGFSGLKCEQIYNCTALBESPEHSGSLVCSHPLGNFS 201
Qy 219 FSSOCARFSCSEBGNLTGIEETTCGPFGNWSSPEPTCOVIOCEPLSADPLGIMNCSHPLAS 278
Db 202 YNSSCSISCDRGYLPSSMETWQCSSEMSAPIPACNVVEDDAVTNPANGFVECFQNPGS 261
Qy 279 FSTFSACTFICSEGTTELIGKKKTICSSGIMSNPSPIQ 317
Db 262 FPMWTTCTFDCBEGFELMGAQSLQCTSSGWNMDNEKPTCK 300

RESULT 28
US-09-857-670-19
; Sequence 19, Application US/09857670
; GENERAL INFORMATION:
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoling S.
; APPLICANT: Isis Pharmaceuticals, Inc.
; TITLE OF INVENTION: METHODS OF MODULATING TUMOR NECROSIS FACTOR
```

```
; TITLE OF INVENTION: alpha-INDUCED EXPRESSION OF CELL ADHESION MOLECULES
; FILE REFERENCE: ISPH-0424
; CURRENT APPLICATION NUMBER: US/09/857,670
; CURRENT FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: US 09/209,668
; PRIOR FILING DATE: 1998-12-10
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 19
; LENGTH: 610
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-857-670-19

Query Match 40.7%; Score 862; DB 22; Length 610;
Best Local Similarity 52.0%; Pred. No. 2,1e-66;
Matches 145; Conservative 41; Mismatches 93; Indels 0; Gaps 0;
```

```
Qy 39 WTHYSEKPMNMORARFCRDNTDVAIONKAEIYLEKTLPPRSRYWYIGIRKIGIW 98
Db 22 WSYNTSTEAATYDEASAYCOORYTHLVAIONKEIEYLNLSISPSYWIIGIRKVNWV 81
Qy 99 TWGTSNLSLEAEANMGDGEPPNNKKNKEDCEYIYIKRNKDAGKNNDDACHKRLKALCYTA 158
Db 82 VWGTOPLTEBAKNAAPGEPNNRQKDEDCVEIYIKREKDVGMNDECSKKLALCYTA 141
Qy 159 SCOPWCSGSGHECEYIINNHTCNCVDVYGGPQOLVIOCEPLAEPDLGTMDCRHPFGNFS 218
Db 142 ACTNTSCSGHGECEYIINNHTCKDCDPGFSGLKCEQIYNCTALBESPEHSGSLVCSHPLGNFS 201
Qy 219 FSSOCARFSCSEBGNLTGIEETTCGPFGNWSSPEPTCOVIOCEPLSADPLGIMNCSHPLAS 278
Db 202 YNSSCSISCDRGYLPSSMETWQCSSEMSAPIPACNVVEDDAVTNPANGFVECFQNPGS 261
Qy 279 FSTFSACTFICSEGTTELIGKKKTICSSGIMSNPSPIQ 317
Db 262 FPMWTTCTFDCBEGFELMGAQSLQCTSSGWNMDNEKPTCK 300

RESULT 29
US-10-021-660-122
; Sequence 122, Application US/10021660
; GENERAL INFORMATION:
; APPLICANT: Murray, Richard
; APPLICANT: Glynn, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: EOS Biotechnology, Inc.
; TITLE OF INVENTION: Novel Methods of Diagnosis of Angiogenesis,
; TITLE OF INVENTION: Compositions and Methods of Screening for Angiogenesis
; FILE REFERENCE: 018501-00071005
; CURRENT APPLICATION NUMBER: US/10/021,660
; CURRENT FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: US/09/784,356
; PRIOR FILING DATE: 2001-02-14
; PRIOR APPLICATION NUMBER: US 09/637,977
; PRIOR FILING DATE: 2000-08-11
; NUMBER OF SEQ ID NOS: 135
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 122
; LENGTH: 610
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-021-660-122

Query Match 40.7%; Score 862; DB 24; Length 610;
Best Local Similarity 52.0%; Pred. No. 2,1e-66;
Matches 145; Conservative 41; Mismatches 93; Indels 0; Gaps 0;
```



```

: ORGANISM: Human
:
: FEATURE:
: NAME/KEY: VARIANT
: LOCATION: (1)...(119)
:
: OTHER INFORMATION: Xaa - any Amino Acid
US-60-166-840-6716

```

Query Match	30.5%	Score 645	DB 26	Length 119
Best Local Similarity	95.0%	Pred. No. 3.1e-48		
Matches 113	Conservative 1	Mismatches 5	Indels 0	Gaps 0

QY	39	WTYHYSKSPYNNQWRARFCRDNYVTDLVALIONKAETLEYLEKTPSPRSRYWIGIRKIGGIM	98
Db	1	WTYHYSKSPYNNQWRARFCRDNYVTDLVALIONKAETLEYLEKTPSPRSRYWIGIRKIGGIM	600
QY	99	TWYTGKSKSLTEPEANNGDDEPNNKKNKEDCVETIYTKRRKDGAKNDACRKLKALCYT	157
Db	61	TWYTGKSKSLTEPEANNGDDEPNNKKTKEDCVETIYTKERQKRGKANDDACRKLKALCYT	119

```

RESULT 34
US-60-160-189-10011
: Sequence 10011, Application US/60160189
: GENERAL INFORMATION:
: APPLICANT: BONAZZI, VIVIAN
: TITLE OF INVENTION: ISOLATED HUMAN DRUG TARGET PROTEINS,
: TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN DRUG TARGET PROTEINS
: TITLE OF INVENTION: AND USES THEREOF
: FILE REFERENCE: C1000112
: CURRENT APPLICATION NUMBER: US/60/160,189
: CURRENT FILING DATE: 1999-10-19
: NUMBER OF SEQ ID NOS: 10162
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 10011
: LENGTH: 116
: TYPE: PRT
: ORGANISM: HUMAN
: FEATURE:
: NAME/KEY: VARIANT
: LOCATION: (1)...(116)
: OTHER INFORMATION: xaa = Any Amino Acid
US-60-160-189-10011

```

	Query Match	27.7%	Score 586	DB 26	length 116
	Best Local Similarity	95.4%	Pred. No. 4.5e+3		
	Matches 103	Conservative 1	Mismatches 43	Indels 0	Gaps 0
Qy	30	FLAHGTCWYHYHSEKPMNORARPCRDNTDVAIONKAIEIYELEKTPFSRSYWI	89		
Db	2	FLAHGTCWYHYHSEKPMNORARPCRDNTDVAIONKAIEIYELEKTPFSRSYWI	61		
Qy	90	GIRRIIGGIWTVGNTKSLTEAEENGGDEPNKKAKPECVELYIRNK	137		
Db	62	GIRRIIGGIWTVGNTKSLTEAEENGGDEPNKKAKPECVELYIRNK	109		

```

RESULT 35
US-60-160-203-6200
; Sequence 6200, Application US/60160203
; GENERAL INFORMATION:
; APPLICANT: BONAZZI, VIVIEN
; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: C1000116
; CURRENT APPLICATION NUMBER: US/60/160,203
; CURRENT FILING DATE: 1999-10-19
; NUMBER OF SEQ. ID NOS: 6374
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ. ID NO 6200
; LENGTH: 116

```

```

? TYPE: PRT
? ORGANISM: HUMAN
? FEATURE:
? NAME/KEY: VARIANT
? LOCATION: (1)..(116)
? OTHER INFORMATION: Xaa = Any Amino Acid
US-60-160-203-6200

```

Query Match	27.7%	Score 585	DB 26	Length 116
Best Local Similarity	95.4%	Pred. No. 4.5e-43		
Matches 103; Conservative	1; Mismatches 4;	IndeIs 0;	Gaps 0	

[illegible]

```

RESULT 36
: US-60-169-840-9326
: Sequence 9326, Application US/60169840
: GENERAL INFORMATION:
: APPLICANT: Bonazzi, Vigen
: TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS,
: TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS AND
: TITLE OF INVENTION: USES THEREOF
: FILE REFERENCE: CLO00164
: CURRENT APPLICATION NUMBER: US/60/169, 840
: CURRENT FILING DATE: 1999-12-09
: NUMBER OF SEQ ID NOS: 9628
: SOFTWARE: fastseq for Windows Version 4.0
: SEQ ID NO 9326
: LENGTH: 116
: TYPE: PRT
: ORGANISM: Human
: FEATURE:
: NAME/KEY: VARIANT
: LOCATION: (1)...(116)
: OTHER INFORMATION: Xaa = Any Amino Acid
: US-60-169-840-9326

```

Query Match	27.7%	Score 586;	DB 26;	Length 116;
Best Local Similarity	95.4%;	Pred. No. 4.5e-43;		
Matches 103; Conservative	1;	Mismatches 43;	Indels 0;	Gaps 0;
QY 30	FLAHGTCWYTHYSEKPMNMQRARPCDNTDLDVAIONKAEIYLEKTPFSRSYWI	89		
DB 2	FLAHGTCWYTHYSEKPMNMQRARPCDNTDLDVAIONKAEIYLEKTPFSRSYWI	61		
QY 90	GIRKIGIWTWGTGINKSLTEAEENNGDGPNNKKKKEPCVEYIIRNK	137		
DB 62	GIRKIGIWTWGTGINKSLTEAEENNGDGPNNKKKKEPCVEYIIRNK	109		

```

RESULT 37
US-60-169-867-7998
: Sequence 7998, Application US/60169867
:
: GENERAL INFORMATION:
: APPLICANT: Bonazzzi, Vivien
: TITLE OF INVENTION: ISOLATED HUMAN DRUG TARGET PROTEINS,
: TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN DRUG TARGET PROTEINS
: TITLE OF INVENTION: AND USES THEREOF
: FILE REFERENCE: CLO00160
: CURRENT APPLICATION NUMBER: US/60/169,867
: CURRENT FILING DATE: 1998-12-09
: NUMBER OF SEQ ID NOS: 8230
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 7998

```

```
; LENGTH: 116
; TYPE: PRT
; ORGANISM: Human
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)...(116)
; OTHER INFORMATION: Xaa = Any Amino Acid
US-60-169-867-7998
```

```
Query Match 27.7%; Score 586; DB 26; Length 116;
Best Local Similarity 95.4%; Pred. No. 4.5e-43;
Matches 103; Conservative 1; Mismatches 4; Indels 0; Gaps 0;
```

```
QY 30 FLAHGTCWYIHYSEKPMNQRARFCRDNTDLVAIONKAEIYELEKTLFPSRSYWI 89
DB 2 FLAHGTCWYIHYSEKPMNQRARFCRDNTDLVAIONKAEIYELEKTLFPSRSYWI 61
QY 90 GIRKTGGITWVGTKSLTEAEANNGDGEPPNNKKKEDCVEIYIKRNK 137
DB 62 GIRKTGGITWVGTKSLTEAEANNGDGEPPNNKKKEDCVEIYIKRKQ 109
```

```
RESULT 38
US-09-760-498-916
; Sequence 916, Application US/09760498
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC017
; CURRENT APPLICATION NUMBER: US/09/760,498
; CURRENT FILING DATE: 2001-01-16
; PRIOR APPLICATION DATA REMOVED - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 930
; SOFTWARE: Patent Ver. 2.0
; SEQ ID NO 916
; LENGTH: 196
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (190)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-760-498-916
```

```
Query Match 22.4%; Score 473; DB 21; Length 196;
Best Local Similarity 61.8%; Pred. No. 7e-33;
Matches 81; Conservative 14; Mismatches 36; Indels 0; Gaps 0;
```

```
QY 39 WTHYSEKPMNQRARFCRDNTDLVAIONKAEIYELEKTLFPSRSYWI 98
DB 59 WSTNTSTEAATYDASAYVCOQRTHLVAIONKEIEYILNLSYSPSYWIGIRKVNW 118
QY 99 TWGTTNKSILTEAEANNGDGEPPNNKKKEDCVEIYIKRNKDGAKNDACCHKLKAALCYTA 158
DB 119 VWVGTOKPLTEAEANNGDGEPPNNKKKEDCVEIYIKRNKDGAKNDACCHKLKAALCYTA 178
QY 159 SCOPWSCSGHG 169
DB 179 ACTWTSCSGHG 189
```

```
RESULT 39
US-60-196-718-4236
; Sequence 4236, Application US/60196718
; GENERAL INFORMATION:
; APPLICANT: Bonazzi, Vivien
; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS, AND
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND
; FILE REFERENCE: CL000436
; CURRENT APPLICATION NUMBER: US/60/196,718
```

```
; CURRENT FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 7494
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4236
; LENGTH: 129
; TYPE: PRT
; ORGANISM: HUMAN
US-60-196-718-4236
```

```
Query Match 21.4%; Score 452.5; DB 26; Length 129;
Best Local Similarity 66.4%; Pred. No. 2.6e-31;
Matches 79; Conservative 13; Mismatches 26; Indels 1; Gaps 1;
```

```
QY 39 WTHYSEKPMNQRARFCRDNTDLVAIONKAEIYELEKTLFPSRSYWI 98
DB 6 WTHYSTAYSNISIRKTCORNTDLVAIONKNEIDYLNKYLPLYSSYWI 65
QY 99 TWGTTNKSILTEAEANNGDGEPPNNKKKEDCVEIYIKRNKDGAKNDACCHKLKAALCYT 157
DB 66 TWVGTAKALTNEAEANNGDGEPPNNKKKEDCVEIYIKESV-SGKWNDEHCKLKAALCYT 123
```

```
RESULT 40
US-60-195-053-1909
; Sequence 1909, Application US/60195053
; GENERAL INFORMATION:
; APPLICANT: Bonazzi, Vivien
; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS, AND
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND
; FILE REFERENCE: CL000427
; CURRENT APPLICATION NUMBER: US/60/195,053
; CURRENT FILING DATE: 2000-04-06
; NUMBER OF SEQ ID NOS: 2836
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1909
; LENGTH: 128
; TYPE: PRT
; ORGANISM: HUMAN
US-60-195-053-1909
```

```
Query Match 21.3%; Score 451.5; DB 26; Length 128;
Best Local Similarity 66.4%; Pred. No. 3.2e-31;
Matches 79; Conservative 12; Mismatches 27; Indels 1; Gaps 1;
```

```
QY 39 WTHYSEKPMNQRARFCRDNTDLVAIONKAEIYELEKTLFPSRSYWI 98
DB 11 WTHYSTKAYSWP-SKRYCONRTDLVAIONKNEIDYLNKYLPLYSSYWI 69
QY 99 TWGTTNKSILTEAEANNGDGEPPNNKKKEDCVEIYIKRNKDGAKNDACCHKLKAALCYT 157
DB 70 TWVGTAKALTNEAEANNGDGEPPNNKKKEDCVEIYIKSPAPGKWNDEHCKLKAALCYT 128
```

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Search completed: September 4, 2002, 08:37:59
Job time: 185 sec
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GenCore version 4.5
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OW protein - protein search, using sw model

Run on: September 4, 2002, 08:34:54 ; Search time 13.13 seconds
(without alignments)
692.027 Million cell updates/sec

Title: US-09-119-209-2
Perfect score: 2116
Sequence: 1 MFPWKCSTORDIMNIFKL.....WLARLKKKKKSGMNDPY 372

Scoring table:
BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 231628 seqs, 24425594 residues

Total number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents, AA: *
1: /cgn2_6/ptodata/2/1aa/3A_COMB.pep: *
2: /cgn2_6/ptodata/2/1aa/3B_COMB.pep: *
3: /cgn2_6/ptodata/2/1aa/6A_COMB.pep: *
4: /cgn2_6/ptodata/2/1aa/6B_COMB.pep: *
5: /cgn2_6/ptodata/2/1aa/PCUTUS_COMB.pep: *
6: /cgn2_6/ptodata/2/1aa/backfile1.pep: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2116	100.0	372	2 US-08-513-278-2	Sequence 2, Appl1
2	2116	100.0	372	6 5514582-2	Patent No. 5514582
3	2076	98.1	385	1 US-08-340-539A-2	Sequence 2, Appl1
4	2076	98.1	385	2 US-08-461-592B-2	Sequence 2, Appl1
5	1651	78.0	372	2 US-08-513-278-4	Sequence 4, Appl1
6	1651	78.0	372	6 5514582-4	Patent No. 5514582
7	905	42.8	830	1 US-08-110-158-4	Sequence 4, Appl1
8	899	42.5	830	5 PCT-US91-05059-2	Sequence 2, Appl1
9	889	42.0	830	6 5378464-2	Patent No. 5378464
10	882	40.7	610	1 US-08-365-470-3	Sequence 3, Appl1
11	862	40.7	610	3 US-09-209-668-19	Sequence 19, Appl1
12	862	40.7	610	4 US-09-009-490A-89	Sequence 89, Appl1
13	862	40.7	610	6 521870-2	Patent No. 521870
14	814.5	38.5	484	2 US-08-252-493C-9	Sequence 9, Appl1
15	814.5	38.5	484	3 US-09-276-197-9	Sequence 14, Appl1
16	666	31.5	117	1 US-08-340-539A-14	Sequence 38, Appl1
17	587	27.7	119	1 US-08-340-539A-14	Sequence 14, Appl1
18	572	27.0	119	1 US-08-340-539A-12	Sequence 13, Appl1
19	569	26.9	119	1 US-08-340-539A-13	Sequence 13, Appl1
20	555	26.7	117	6 5514582-7	Patent No. 5514582
21	487	23.0	126	6 5514582-31	Patent No. 5514582
22	467	22.1	119	1 US-08-340-539A-18	Sequence 18, Appl1
23	457	21.6	119	1 US-08-340-539A-17	Sequence 17, Appl1
24	452	21.4	119	1 US-08-340-539A-16	Sequence 16, Appl1
25	451	21.3	119	1 US-08-340-539A-19	Sequence 19, Appl1
26	450	21.3	120	1 US-08-274-661B-37	Sequence 37, Appl1
27	445	21.0	117	1 US-08-274-661B-39	Sequence 39, Appl1

28	431	20.4	120	1 US-08-274-661B-36	Sequence 36, Appl1
29	427	20.2	119	1 US-08-340-539A-15	Sequence 15, Appl1
30	337	15.9	574	6 5378464-3	Patent No. 5378464
31	237	11.2	67	3 US-08-840-062-8	Sequence 8, Appl1
32	199	9.4	36	1 US-08-340-539A-22	Sequence 22, Appl1
33	189.5	9.0	1019	1 US-08-596-405-4	Sequence 4, Appl1
34	189.5	9.0	1019	2 US-08-596-405-4	Sequence 4, Appl1
35	189.5	9.0	1019	2 US-08-877-620-4	Sequence 2, Appl1
36	189.5	9.0	1083	1 US-08-296-014A-2	Sequence 2, Appl1
37	189.5	9.0	1083	2 US-08-596-405-2	Sequence 2, Appl1
38	189.5	9.0	1083	2 US-08-877-620-2	Sequence 2, Appl1
39	181.5	8.6	240	3 US-08-824-692-23	Sequence 23, Appl1
40	177	8.4	36	1 US-08-340-539A-20	Sequence 20, Appl1
41	175.5	8.3	216	3 US-08-824-692-24	Sequence 24, Appl1
42	172	8.1	1466	6 5256642-6	Patent No. 5256642
43	172	8.1	1466	6 5472939-6	Patent No. 5472939
44	172	8.1	1537	6 5256642-5	Patent No. 5256642
45	172	8.1	1537	6 5472939-5	Patent No. 5472939

ALIGNMENTS

RESULT 1
US-08-513-278-2
Sequence 2, Application US/08513278
Patent No. 5840844
GENERAL INFORMATION:
APPLICANT: LASKY, LAWRENCE A. / *Some further proof*
APPLICANT: STACHEL, SCOTT E.
APPLICANT: ROSEN, STEVEN D.
APPLICANT: SINGER, MARK S.
APPLICANT: YEDNICK, TED A.
TITLE OF INVENTION: LYMPHOCYTE HOMING RECEPTORS
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/513,278
FILING DATE: 10-AUG-1995
CLASSIFICATION: 5530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/059027
FILING DATE: 06-MAY-1993
APPLICATION NUMBER: 07/786149
FILING DATE: 31-OCT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/315015
FILING DATE: 23-FEB-1989
ATTORNEY/AGENT INFORMATION:
NAME: Dreger, Ginger R.
REGISTRATION NUMBER: 33,055
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-3216
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ. ID NO.: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 372 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-513-278-2

Query Match 100.0%; Score 2116; DB 2; Length 372;
 Best Local Similarity 100.0%; Pred. No. 3.5e-185;
 Matches 372; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MIFPMKQOSTORDLWNTFKLGMWTMLCCDFLAHGTTCWTYHSEKPMNORARFCRDN 60
 DB 1 MIFPMKQOSTORDLWNTFKLGMWTMLCCDFLAHGTTCWTYHSEKPMNORARFCRDN 60
 QY 61 YTDLVAIONKAEIEYLEKTLTPFSRSYYWIGIRKIGITWVGTKSLTEAEWNGDGEPN 120
 DB 61 YTDLVAIONKAEIEYLEKTLTPFSRSYYWIGIRKIGITWVGTKSLTEAEWNGDGEPN 120
 QY 121 NKKNKEDVEIYIKRNKDGAKNDACHKLKALCYTASQPMSCSGHGECVEIINNHTC 180
 DB 121 NKKNKEDVEIYIKRNKDGAKNDACHKLKALCYTASQPMSCSGHGECVEIINNHTC 180
 QY 181 NCDVGYGGQCVLYIOCEPLSAPDLGIMNCSHPLASFSTACTFICSEGTTLGIEETT 240
 DB 181 NCDVGYGGQCVLYIOCEPLSAPDLGIMNCSHPLASFSTACTFICSEGTTLGIEETT 240
 QY 241 CGPFGNMSPEPTCOYIOCEPLSAPDLGIMNCSHPLASFSTACTFICSEGTTLGIEETT 300
 DB 241 CGPFGNMSPEPTCOYIOCEPLSAPDLGIMNCSHPLASFSTACTFICSEGTTLGIEETT 300
 QY 301 TICSSGIMNSPICOQLDKSFSMIKEDGYNPLPIPAVWVTAFSGLAFTIWLARLKK 360
 DB 301 TICSSGIMNSPICOQLDKSFSMIKEDGYNPLPIPAVWVTAFSGLAFTIWLARLKK 360
 QY 361 GKSKRSNDPY 372
 DB 361 GKSKRSNDPY 372

RESULT 2
 5514582-2
 Patent No. 5514582
 APPLICANT: CAPON, DANIEL J.; LASKY, LAURENCE A.
 TITLE OF INVENTION: RECOMBINANT DNA ENCODING HYBRID
 IMMUNOGLOBULINS
 NUMBER OF SEQUENCES: 43
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/185,670
 FILING DATE: 21-JAN-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 986,931
 FILING DATE: 08-DEC-1992
 APPLICATION NUMBER: 808,122
 FILING DATE: 16-DEC-1991
 APPLICATION NUMBER: 440,625
 FILING DATE: 22-NOV-1989
 APPLICATION NUMBER: 315,015
 FILING DATE: 23-FEB-1989
 SEQ ID NO: 2:
 LENGTH: 372
 5514582-2

Same protein

Query Match 100.0%; Score 2116; DB 6; Length 372;
 Best Local Similarity 100.0%; Pred. No. 3.5e-185;
 Matches 372; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MIFPMKQOSTORDLWNTFKLGMWTMLCCDFLAHGTTCWTYHSEKPMNORARFCRDN 60
 DB 1 MIFPMKQOSTORDLWNTFKLGMWTMLCCDFLAHGTTCWTYHSEKPMNORARFCRDN 60
 QY 61 YTDLVAIONKAEIEYLEKTLTPFSRSYYWIGIRKIGITWVGTKSLTEAEWNGDGEPN 120
 DB 61 YTDLVAIONKAEIEYLEKTLTPFSRSYYWIGIRKIGITWVGTKSLTEAEWNGDGEPN 120
 QY 121 NKKNKEDVEIYIKRNKDGAKNDACHKLKALCYTASQPMSCSGHGECVEIINNHTC 180
 DB 121 NKKNKEDVEIYIKRNKDGAKNDACHKLKALCYTASQPMSCSGHGECVEIINNHTC 180

DB 121 NKKNKEDVEIYIKRNKDGAKNDACHKLKALCYTASQPMSCSGHGECVEIINNHTC 180
 QY 181 NCDVGYGGQCVLYIOCEPLSAPDLGIMNCSHPLASFSTACTFICSEGTTLGIEETT 240
 DB 181 NCDVGYGGQCVLYIOCEPLSAPDLGIMNCSHPLASFSTACTFICSEGTTLGIEETT 240
 QY 241 CGPFGNMSPEPTCOYIOCEPLSAPDLGIMNCSHPLASFSTACTFICSEGTTLGIEETT 300
 DB 241 CGPFGNMSPEPTCOYIOCEPLSAPDLGIMNCSHPLASFSTACTFICSEGTTLGIEETT 300
 QY 301 TICSSGIMNSPICOQLDKSFSMIKEDGYNPLPIPAVWVTAFSGLAFTIWLARLKK 360
 DB 301 TICSSGIMNSPICOQLDKSFSMIKEDGYNPLPIPAVWVTAFSGLAFTIWLARLKK 360
 QY 361 GKSKRSNDPY 372
 DB 361 GKSKRSNDPY 372

RESULT 3
 US-08-340-539A-2
 Sequence 2, Application US/08340539A
 Patent No. 5808025
 APPLICANT: Tedder, Thomas F.
 APPLICANT: Keras, Geoffrey S.
 TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS
 NUMBER OF SEQUENCES: 28
 CORRESPONDENCE ADDRESSES:
 ADDRESSEE: FISH & NEAVE
 STREET: 1251 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: USA
 ZIP: 10020
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/340,539A
 FILING DATE: 16-NOV-1994
 CLASSIFICATION: 514
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/008,459
 FILING DATE: 25-JAN-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Gunnison, Jane
 REGISTRATION NUMBER: 38,479
 REFERENCE/DOCKET NUMBER: CG-104 CON
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-596-9000
 TELEFAX: 212-596-9090
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 385 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-340-539A-2

Query Match 98.1%; Score 2076; DB 1; Length 385;
 Best Local Similarity 98.1%; Pred. No. 1.6e-181;
 Matches 365; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 MIFPMKQOSTORDLWNTFKLGMWTMLCCDFLAHGTTCWTYHSEKPMNORARFCRDN 60
 DB 14 MIFPMKQOSTORDLWNTFKLGMWTMLCCDFLAHGTTCWTYHSEKPMNORARFCRDN 73
 QY 61 YTDLVAIONKAEIEYLEKTLTPFSRSYYWIGIRKIGITWVGTKSLTEAEWNGDGEPN 120

|||||
Db 74 YTDVAIONKAEIYELKLETPFSRSYVWIGIRKIGITWTGKNSLLEEAENMDGEBN 133
QY 121 NKKKEDCEVEIYIRKNDKAGWNDACGKHLKAAALCYTASCPWSCSGGECVEIINNHTC 180
Db 134 NKKKEDCEVEIYIRKNDKAGWNDACGKHLKAAALCYTASCPWSCSGGECVEIINNHTC 193
QY 181 NCDVGYGPOQOLVIOCEPLAPBLGTMDCTHPFGNFSFSSQCAFSCSEGTNLGIEETT 240
Db 194 NCDVGYGPOQOLVIOCEPLAPBLGTMDCTHPFGNFSFSSQCAFSCSEGTNLGIEETT 253
QY 241 CGPFGNMSPEPTCOVIOCEPLASAPDLGIMNCSPHPLASFSTSACTFICSEGTTELIGK 300
Db 254 CGPFGNMSPEPTCOVIOCEPLASAPDLGIMNCSPHPLASFSTSACTFICSEGTTELIGK 313
QY 301 TICSSSGIWSNPSPICOKLDFKFSMKIKGDNPLFIPIVAVVTAFAAGLAFIIMLARLKK 360
Db 314 TICSSSGIWSNPSPICOKLDFKFSMKIKGDNPLFIPIVAVVTAFAAGLAFIIMLARLKK 373
QY 361 GKSKSRMNDPY 372
Db 374 GKSKSRMNDPY 385

RESULT 4
US-08-461-592B-2
Sequence 2, Application US/08461592B
Patent No. 5834425
GENERAL INFORMATION:
APPLICANT: Tedder, Thomas F.
APPLICANT: Kansas, Geoffrey S.
TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS
NUMBER OF SEQUENCES: 11
TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Weingarten, Schurgin, Gagnebin & Hayes
STREET: Ten Post Office Square
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,592B
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/340,539
FILING DATE: 16-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/008,459
FILING DATE: 25-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: James F. Haley, Jr.
REGISTRATION NUMBER: 27,794
REFERENCE/DOCKET NUMBER: CG-104
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 596-9000
TELEFAX: (212) 596-9090
TELEX: 14-8367
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 385 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-461-592B-2

Query Match 98.1%; Score 2076; DB 2; Length 385;
Best Local Similarity 98.1%; Pred. No. 1,66-181;
Matches 365; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
QY 1 MIFPKCOSTQDRLNIFKLGWTLCCDFLAHNGTYCWTYHSEKPMNMORARFRCNDN 60
Db 14 MIFPKCOSTQDRLNIFKLGWTLCCDFLAHNGTYCWTYHSEKPMNMORARFRCNDN 73
QY 61 YTDVAIONKAEIYELKLETPFSRSYVWIGIRKIGITWTGKNSLLEEAENMDGEBN 120
Db 74 YTDVAIONKAEIYELKLETPFSRSYVWIGIRKIGITWTGKNSLLEEAENMDGEBN 133
QY 121 NKKKEDCEVEIYIRKNDKAGWNDACGKHLKAAALCYTASCPWSCSGGECVEIINNHTC 180
Db 134 NKKKEDCEVEIYIRKNDKAGWNDACGKHLKAAALCYTASCPWSCSGGECVEIINNHTC 193
QY 181 NCDVGYGPOQOLVIOCEPLAPBLGTMDCTHPFGNFSFSSQCAFSCSEGTNLGIEETT 240
Db 194 NCDVGYGPOQOLVIOCEPLAPBLGTMDCTHPFGNFSFSSQCAFSCSEGTNLGIEETT 253
QY 241 CGPFGNMSPEPTCOVIOCEPLASAPDLGIMNCSPHPLASFSTSACTFICSEGTTELIGK 300
Db 254 CGPFGNMSPEPTCOVIOCEPLASAPDLGIMNCSPHPLASFSTSACTFICSEGTTELIGK 313
QY 301 TICSSSGIWSNPSPICOKLDFKFSMKIKGDNPLFIPIVAVVTAFAAGLAFIIMLARLKK 360
Db 314 TICSSSGIWSNPSPICOKLDFKFSMKIKGDNPLFIPIVAVVTAFAAGLAFIIMLARLKK 373
QY 361 GKSKSRMNDPY 372
Db 374 GKSKSRMNDPY 385

RESULT 5
US-08-513-278-4
Sequence 4, Application US/08513278
Patent No. 5840844
GENERAL INFORMATION:
APPLICANT: LASKY, LAURENCE A.
APPLICANT: STACHELL, SCOTT E.
APPLICANT: ROSEN, STEVEN D.
APPLICANT: SINGER, MARK S.
APPLICANT: YEDNICK, TED A.
TITLE OF INVENTION: LYMPHOCYTE HOMING RECEPTORS
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patentin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/513,278
FILING DATE: 10-AUG-1995
CLASSIFICATION: 5530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/059027
FILING DATE: 06-MAY-1993
APPLICATION NUMBER: 07/786149
FILING DATE: 31-OCT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/315015
FILING DATE: 23-FEB-1989
ATTORNEY/AGENT INFORMATION:
NAME: Dreger, Ginger R.
REGISTRATION NUMBER: 33,055
REFERENCE/DOCKET NUMBER: 565DICI

TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-3216
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 372 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-513-278-4

Query Match 78.0%; Score 1651; DB 2; Length 372;
Best Local Similarity 76.1%; Pred. No. 9.1e-143;
Matches 283; Conservative 32; Mismatches 57; Indels 0; Gaps 0;

QY 1 MPEPMKCOSTORDLWNIFFKLMGTMLCCDFLAHGHGYCWTYHSEKPMNMORARRCRDN 60
DB 1 MPEPMKCEGTWMSRNILKLMWTLLCCDFLIHGHCHCTYHSEKPMNMENARKCKON 60
QY 61 YTDLVAIONKAEIYLEKTLPEFSRSYYWIGIRKIGIWTWGTNKSILTEAEAMWGDEPN 120
DB 61 YTDLVAIONKREIYLENTLPKSPYYWIGIRKIGKMTWGTNKTLLTEAEAMWGAGEPN 120
QY 121 NKKNKEDCVELIYIKRNKDKGKMDACHKRAKALCTYASCQPMSCSGHGECVEIINNHTC 180
DB 121 NKKSKEDCVELIYIKRRERDSGKMDACHKRAKALCTYASCQPMSCNGRGEVETINNHTC 180
QY 181 MCDVGYGQCQOLVIOCEPLAEPLGTMDCTHPFGNFSFSSOCAPSCSGTNTLTGEETT 240
DB 181 ICDAGYGGQCQVVOCEPLAEPLGTMDCIHPLGNFSFQSKCAFNCSEGRRELLGTAE 240
QY 241 CGPFGWMSPEPTQYVIOCEPLSAPDLGIMNCSHPLASFSTACTFICSEGTELIGKKK 300
DB 241 CGASGWNSSPEPTQVVOCEPLAEPLGTMDCIHPLGNFSFQSKCAFNCSEGRRELLGTAE 300
QY 301 TTCESGIMNSNPICQKLDKSFMSIKEGDYNDLPFPAVAVMTAFESGLAFITWLARLKK 360
DB 301 TCCGASGWNSSPEPTQVVOCEPLSAPDLGIMNCSHPLASFSTACTFICSEGTELIGKKK 360
QY 361 GKSKRSMDPY 372
DB 361 GKSKQERMDPY 372

RESULT 6
5514582-4
PATENT NO. 5514582
APPLICANT: CARON, DANIEL J.; LASKY, LAURENCE A.
TITLE OF INVENTION: RECOMBINANT DNA ENCODING HYBRID
IMMUNOGLOBULINS
NUMBER OF SEQUENCES: 43
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/185,670
FILING DATE: 21-JAN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 986,931
FILING DATE: 08-DEC-1992
APPLICATION NUMBER: 808,122
FILING DATE: 16-DEC-1991
APPLICATION NUMBER: 440,625
FILING DATE: 22-NOV-1989
APPLICATION NUMBER: 315,015
FILING DATE: 23-FEB-1989
SEQ ID NO: 4
LENGTH: 372
5514582-4

Query Match 78.0%; Score 1651; DB 6; Length 372;
Best Local Similarity 76.1%; Pred. No. 9.1e-143;
Matches 283; Conservative 32; Mismatches 57; Indels 0; Gaps 0;

QY 1 MPEPMKCOSTORDLWNIFFKLMGTMLCCDFLAHGHGYCWTYHSEKPMNMORARRCRDN 60
DB 1 MPEPMKCEGTWMSRNILKLMWTLLCCDFLIHGHCHCTYHSEKPMNMENARKCKON 60
QY 61 YTDLVAIONKAEIYLEKTLPEFSRSYYWIGIRKIGIWTWGTNKSILTEAEAMWGDEPN 120
DB 61 YTDLVAIONKREIYLENTLPKSPYYWIGIRKIGKMTWGTNKTLLTEAEAMWGAGEPN 120
QY 121 NKKNKEDCVELIYIKRNKDKGKMDACHKRAKALCTYASCQPMSCSGHGECVEIINNHTC 180
DB 121 NKKSKEDCVELIYIKRRERDSGKMDACHKRAKALCTYASCQPMSCNGRGEVETINNHTC 180
QY 181 MCDVGYGQCQOLVIOCEPLAEPLGTMDCTHPFGNFSFSSOCAPSCSGTNTLTGEETT 240
DB 181 ICDAGYGGQCQVVOCEPLAEPLGTMDCIHPLGNFSFQSKCAFNCSEGRRELLGTAE 240
QY 241 CGPFGWMSPEPTQYVIOCEPLSAPDLGIMNCSHPLASFSTACTFICSEGTELIGKKK 300
DB 241 CGASGWNSSPEPTQVVOCEPLAEPLGTMDCIHPLGNFSFQSKCAFNCSEGRRELLGTAE 300
QY 301 TTCESGIMNSNPICQKLDKSFMSIKEGDYNDLPFPAVAVMTAFESGLAFITWLARLKK 360
DB 301 TCCGASGWNSSPEPTQVVOCEPLSAPDLGIMNCSHPLASFSTACTFICSEGTELIGKKK 360
QY 361 GKSKRSMDPY 372
DB 361 GKSKQERMDPY 372

RESULT 7
US-08-110-158-4
Sequence 4, Application US/08110158
Patent No. 5605821
GENERAL INFORMATION:
APPLICANT: McEver, Rodger P.
APPLICANT: Pan, Junliang
TITLE OF INVENTION: Expression Control Sequences of the
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Patricia L. Pabst
STREET: 1100 Peachtree Street, Suite 2800
CITY: Atlanta
STATE: GA
COUNTRY: USA
ZIP: 30309-4530
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/110,158
FILING DATE: 19930820
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/320,408
FILING DATE: 08-MAR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Pabst, Patricia L.
REGISTRATION NUMBER: 31,284
TELECOMMUNICATION INFORMATION:
TELEPHONE: (404)-815-6558
TELEFAX: (404)-815-6555
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 830 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-110-158-4


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Query Match 42.8%: Score 905; DB 1; Length 830;
  Best Local Similarity 50.6%: Pred. No. 2.9e-74;
Matches 157; Conservative 47; Mismatches 106; Indels 0; Gaps 0;

0Y 8 OSTORDLNWIFELKMTMLCDFLAHGHTGYCTHYSEKPMWQARRCRDNYDLVAI 67
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 11 QNFQGVAVFGISGLDFALISSELTNQKEVAAVTYHSTKAYSWMNISRKCCQRYRDLVAI 70
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
0Y 68 QNKATIEYLEKTLPPRSRYTWIGIKKIGCIWTWGTGKNSLTEAENWGDGEPPNKKKED 127
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 71 QNKNEIDYLNKLVLPYSSSYWIGIKRKNKNTWVGTKKALTKEARWADNEPNKRNED 130
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
0Y 128 CVEIYIKRKNKAGKNNDDACHLKAALCTYASQPMSCSGHCEYEIINNHHCNDDVGY 187
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 131 CVEIYIKSPSAPAGKNNDDCHLKAALCTYASQPMSCSGHCEYEIINNHHCNDDVGY 190
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
0Y 188 GPQCOLVIOCEPLEAPELGTMDCTHPFGNFSQCAFSCSEGTMLTGIEETTCGPFQNM 247
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 191 GPCECYVRECGEELPQHYLMNCSHPLGNFNSQCSFCTGTGYVNGPSKLECLASGIV 250
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
0Y 248 SSEPTECOVIOCEPLSAPDLGTMCNSHPLASFTSACTFICSESTELIGKKTKTCESG 307
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 251 TNKPPQCLAAOCPLPIKIRGNNMICLSAKAFQHSQCSFSCSECFALVGPVVOCTASG 310
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
0Y 308 IWSNPSPIQ 317
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 311 VWTAPAPVCK 320
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

RESULT 8
PCT-US91-05059-2
  GENERAL INFORMATION:
  APPLICANT: Regents of the Board of the, University of
  APPLICANT: Oklahoma
  TITLE OF INVENTION: Functionally Active Selection-Derived
  TITLE OF INVENTION: Peptides
  NUMBER OF SEQUENCES: 2
  CORRESPONDENCE ADDRESS:
  ADDRESSEE: Kilpatrick & Cody
  STREET: 100 Peachtree Street, Suite 3100
  CITY: Atlanta
  STATE: Georgia
  COUNTRY: US
  ZIP: 30303
  COMPUTER READABLE FORM:
  MEDIUM TYPE: Floppy disk
  COMPUTER: IBM PC compatible
  OPERATING SYSTEM: PC-DOS/MS-DOS
  SOFTWARE: PatentIn Release #1.0, Version #1.25
  CURRENT APPLICATION DATA:
  APPLICATION NUMBER: PCT/US91/05059
  FILING DATE: 19910717
  CLASSIFICATION: 514
  PRIOR APPLICATION DATA:
  APPLICATION NUMBER: US 07/320408
  FILING DATE: 08-MAR-1985
  PRIOR APPLICATION DATA:
  APPLICATION NUMBER: US 07/554199
  FILING DATE: 17-JUL-1990
  ATTORNEY/AGENT INFORMATION:
  NAME: Pabat, Patrea L.
  REGISTRATION NUMBER: 31,284
  TELECOMMUNICATION INFORMATION:
  TELEPHONE: 404-572-6558
  TELEFAX: 404-572-6555
  INFORMATION FOR SEQ ID NO: 2:
  SEQUENCE CHARACTERISTICS:
  LENGTH: 830 amino acids
  TYPE: AMINO ACID
  STRANDEDNESS: single

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1	TOPOLOGY:	linear
2	MOLECULE TYPE:	peptide
3	HYPOTHETICAL:	YES
4	ANTI-SENSE:	YES
5	FRAGMENT TYPE:	N-terminal
6	ORIGINAL SOURCE:	
7	ORGANISM:	Homo sapien
8	TISSUE TYPE:	Blood
9	CELL TYPE:	Endothelial
10	FEATURE:	
11	NAME/KEY:	Disulfide-bond
12	LOCATION:	4..25
13	FEATURE:	
14	NAME/KEY:	Disulfide-bond
15	LOCATION:	60..158
16	FEATURE:	
17	NAME/KEY:	Disulfide-bond
18	LOCATION:	131..150
19	FEATURE:	
20	NAME/KEY:	Disulfide-bond
21	LOCATION:	163..174
22	FEATURE:	
23	NAME/KEY:	Disulfide-bond
24	LOCATION:	168..183
25	FEATURE:	
26	NAME/KEY:	Disulfide-bond
27	LOCATION:	185..194
28	FEATURE:	
29	NAME/KEY:	Disulfide-bond
30	LOCATION:	200..244
31	FEATURE:	
32	NAME/KEY:	Disulfide-bond
33	LOCATION:	213..226
34	FEATURE:	
35	NAME/KEY:	Disulfide-bond
36	LOCATION:	230..257
37	FEATURE:	
38	NAME/KEY:	Disulfide-bond
39	LOCATION:	262..306
40	FEATURE:	
41	NAME/KEY:	Disulfide-bond
42	LOCATION:	275..288
43	FEATURE:	
44	NAME/KEY:	Disulfide-bond
45	LOCATION:	292..319
46	FEATURE:	
47	NAME/KEY:	Disulfide-bond
48	LOCATION:	324..358
49	FEATURE:	
50	NAME/KEY:	Disulfide-bond
51	LOCATION:	337..350
52	FEATURE:	
53	NAME/KEY:	Disulfide-bond
54	LOCATION:	354..381
55	FEATURE:	
56	NAME/KEY:	Disulfide-bond
57	LOCATION:	386..430
58	FEATURE:	
59	NAME/KEY:	Disulfide-bond
60	LOCATION:	399..412
61	FEATURE:	
62	NAME/KEY:	Disulfide-bond
63	LOCATION:	416..443
64	FEATURE:	
65	NAME/KEY:	Disulfide-bond
66	LOCATION:	448..492
67	FEATURE:	
68	NAME/KEY:	Disulfide-bond
69	LOCATION:	461..474
70	FEATURE:	
71	NAME/KEY:	Disulfide-bond
72	LOCATION:	478..505
73	FEATURE:	

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: OTHER INFORMATION: /note= "Potential asparagine-linked
: OTHER INFORMATION: glycosylation site"
: FEATURE:
: NAME/KEY: Binding-site
: LOCATION: 665
: OTHER INFORMATION: /note= "Potential asparagine-linked
: OTHER INFORMATION: glycosylation site"
: FEATURE:
: NAME/KEY: Binding-site
: LOCATION: 716
: OTHER INFORMATION: /note= "Potential asparagine-linked
: OTHER INFORMATION: glycosylation site"
: FEATURE:

Query Match 42.5%; Score 899; DB 5; Length 830;
Best Local Similarity 50.3%; Pred. No. 1e-73;
Matches 156; Conservative 48; Mismatches 106; Indels 0; Gaps

QY 8 OSTORDLMNIFKMGWTLCCDPLAHNGTYCMTYHSEKPMQRRRCRDNYDLVAI 67
Db 11 QRPQRVVEFGISQLCLFSALISELTNOKEVAAMTYHSTAYSMNISRKQCONRYTDLVAI 70
QY 68 QNKAEIELEKTLPEFSRSYWIIGIRKIGITWYGNKSLSTEAEWNGDGEPPNNKKNED 127
Db 71 QNKNEIDYLNKVLPRYSSTYWIIGIRKNNKTWYWGKRALTNDEAEWADNEPNNKRNED 130
QY 128 CVEIYIKRRKDKAGKWNDDACHKLAALCYTASCOPMSCSGHCEVEIINNHTCNDGYI 187
Db 131 CVEIYIKSPASPKWMDENCLRKKAALCYTASCODMSCSGKQGECELETIGNYTCSCYPGFY 190
QY 188 GPQCQLVIOGCEPDLAPELTMDCTHPFGNFSFSSOCAFCSSEGTNLGTIEETGCGPFGW 247
Db 191 GECEVYRRCGELELPQEVLMNCSHPHGNFSNQCSEFCTGCTGYNGESKLECLASGIW 250
QY 248 SSEPEPCOYIOCEPLSADPLGTMCSHPIASFSTISACTFICSEGTETIGKKKTYCESSG 307
Db 251 TNRKPOCLAAOCPPLIKPIPERGNMICMSAKAPOMOSCSFSCSECFALVGPVEVQCTASG 310
QY 308 IMSNPSPIQ 317
Db 311 VWTAPAPYCK 320

RESULT 9
5378464-2
Patent No. 5378464
APPLICANT: MCEVER, RODGER P.
TITLE OF INVENTION: MODULATION OF INFLAMMATORY RESPONSES
BY ADMINISTRATION OF GMP-140 OR ANTIBODY TO GMP-140
NUMBER OF SEQUENCES: 32
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/320,408
FILING DATE: 08-MAR-1989
SEQ ID NO.: 2
LENGTH: 830
5378464-2

Query Match 42.0%; Score 889; DB 6; Length 830;
Best Local Similarity 50.0%; Pred. No. 8.3e-73;
Matches 155; Conservative 46; Mismatches 107; Indels 0; Gaps

QY 8 OSTORDLMNIFKMGWTLCCDPLAHNGTYCMTYHSEKPMQRRRCRDNYDLVAI 67
Db 11 QRPQRVVEFGISQLCLFSALISELTNOKEVAAMTYHSTAYSMNISRKQCONRYTDLVAI 70
QY 68 QNKAEIELEKTLPEFSRSYWIIGIRKIGITWYGNKSLSTEAEWNGDGEPPNNKKNED 127
Db 71 QNKNEIDYLNKVLPRYSSTYWIIGIRKNNKTWYWGKRALTNDEAEWADNEPNNKRNED 130
QY 128 CVEIYIKRRKDKAGKWNDDACHKLAALCYTASCOPMSCSGHCEVEIINNHTCNDGYI 187
Db 131 CVEIYIKSPASPKWMDENCLRKKAALCYTASCODMSCSGHCEVEIINNHTCNDGYI 190
QY 191 GECEVYRRCGELELPQEVLMNCSHPHGNFSNQCSEFCTGCTGYNGESKLECLASGIW 250
Db 251 TNRKPOCLAAOCPPLIKPIPERGNMICMSAKAPOMOSCSFSCSECFALVGPVEVQCTASG 310
QY 308 IMSNPSPIQ 317
Db 311 VWTAPAPYCK 320

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[illegible]

US-08-365-470-3
 US-08-365-470-3
 Sequence 3, Application US/08365470
 Patent No. 5632991
 GENERAL INFORMATION:
 APPLICANT: Gimbrowne, Jr., Michael A.
 TITLE OF INVENTION: Antibodies Specific For E-selectin And The Uses
 THEREOF
 TITLE OF INVENTION: Thereof
 NUMBER OF SEQUENCES: 3
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: STERN, KESSLER, GOLDSTEIN & FOX
 STREET: 1100 New York Ave., NW
 CITY: Washington
 STATE: DC
 COUNTRY: USA
 ZIP: 20005
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/365,470
 FILING DATE: herewith
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/102,510
 FILING DATE: 05-AUG-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/850,802
 FILING DATE: 13-MAR-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Markowicz, Karen R.
 REGISTRATION NUMBER: 36,351
 REFERENCE/DOCKET NUMBER: 0627.1350003
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-371-2600
 TELEFAX: 202-371-2540
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 610 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 US-08-365-470-3

	Query Match	Similarity	40.7%	Score	862	DB	1	Length	610	
	Best Local	Similarity	52.0%	Pred.	No.	1.6e-70				
	Matches	145	Conservative	41	Mismatches	93	Indels	0	Gaps	0
Qy	39	WTYHYSEKPMWQARRCRDNYTDLVAIQNAKEIYLELEKTLPFSRSXYWIGIRKGIM	98							
Db	22	WSYNSTEAAMYDEASATCQQRITFLVAIQNKEEIEYLNSLISYSFYYWIGIRKNVW	81							
Qy	99	TWVGNTSLTEAEAWGDGEPNNKKNEKDCEVEIYIKRNDAKWMDACHKLKAALCYTA	158							
Db	82	VWGVRQKRLTEAKAAMWAGGERPNRQDKDCEVEIYIKREWDVGMWNDERSKKKLACYTA	141							
Qy	159	SCQPMWSCGHGECVEIIINNHTCNCDGVGYGGPQCQLVIOCEPLAEAPLGTMDCTHPGNFS	218							

Db 142 ACTNTSCSGHGECVETINNTYCKDGPFGSLKCEQIVNCTALSPESPEHSGSLVCSHPLNFS 201

Qy 219 PSSQCAFCSSEBNTNLTLGEETTCGPFQWSSPEPTCOYIQCEPLSAPDLGIMNCSHPLAS 278

Db 202 YNSSGSIICDNGYLPSSMETKQCSSGMSGMSAPICANVVECDATNPANGVECFEONPGS 261

Qy 279 FSFTSACFPICSEGTGELIGKKTKTCESGIMSNSPICO 317

Db 262 FPMNNTCTCFDCEGFEIIMGASLOCTSSGNDNENKPEICK 300

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RESULT 11
US-09-209-668-19
; Sequence 19, Application US/09209668A
; Patent No. 6114517
; GENERAL INFORMATION:
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: METHODS OF MODULATING TUMOR NECROSIS FACTOR
; TITLE OF INVENTION: alpha-INDUCED EXPRESSION OF CELL ADHESION MOLECULES
; FILE REFERENCE: ISPH-0336
; CURRENT APPLICATION NUMBER: US/09/209,668A
; CURRENT FILING DATE: 1998-12-10
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 19
; LENGTH: 610
; TYPE: prt
; ORGANISM: Homo sapiens
; US-09-209-668-19

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[illegible]

RESULT 12
 US-09-009-490A-89
 Sequence 89, Application US/09009490A
 Patent No. 6300491
 GENERAL INFORMATION:
 APPLICANT: Bennett and Mirabelli
 TITLE OF INVENTION: Oligonucleotide Modulation
 TITLE OF INVENTION: of Cell Adhesion
 NUMBER OF SEQUENCES: 95
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Law Office of Jane Massey Licata
 STREET: 66 East Main Street
 CITY: Marlton
 STATE: NJ
 COUNTRY: USA

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; ZIP: 08053
;
; COMPUTER READABLE FORM:
;
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
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; COMPUTER: IBM PS/2
;
; OPERATING SYSTEM: Windows 95
;
; SOFTWARE: WORDPERFECT 6.0
;
; CURRENT APPLICATION DATA:
;
; APPLICATION NUMBER: US/09/009,490A
;
; FILING DATE: January 20, 1998
;
; CLASSIFICATION: 514
;
; PRIOR APPLICATION DATA:
;
; APPLICATION NUMBER: 440,740
;
; FILING DATE: May 12, 1995
;
; PRIOR APPLICATION DATA:
;
; APPLICATION NUMBER: 063,167
;
; FILING DATE: May 17, 1993
;
; PRIOR APPLICATION DATA:
;
; APPLICATION NUMBER: 969,151
;
; FILING DATE: February 10, 1993
;
; PRIOR APPLICATION DATA:
;
; APPLICATION NUMBER: 007,997
;
; FILING DATE: January 20, 1993
;
; PRIOR APPLICATION DATA:
;
; APPLICATION NUMBER: 939,855
;
; FILING DATE: September 2, 1992
;
; PRIOR APPLICATION DATA:
;
; APPLICATION NUMBER: 567,286
;
; FILING DATE: August 14, 1990
;
; ATTORNEY/AGENT INFORMATION:
;
; NAME: Jane Massey Licata
;
; REGISTRATION NUMBER: 32,257
;
; REFERENCE/DOCKET NUMBER: ISPH-0268
;
; TELECOMMUNICATION INFORMATION:
;
; TELEPHONE: (609) 810-1515
;
; TELEFAX: (609) 810-1454
;
; INFORMATION FOR SEQ ID NO: 89:
;
; SEQUENCE CHARACTERISTICS:
;
; LENGTH: 610
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; TYPE: Amino Acid
;
; STRANDEDNESS: Single
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; TOPOLOGY: Linear
;
; ANTI-SENSE: no
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; US-09-009-490A-89

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Query Match 40.7%; Score 862; DB 4; Length 610;
 Best Local Similarity 52.0%; Pred. No. 1.6e-70;
 Matches 145; Conservative 41; Mismatches 93; Indels 0; Gaps 0;

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QY 39 WYHSEKPMNORARCRDNYTDLVAIONKAELEYEKLTPSRSTYWGIRKIGIW 98
DB 22 WSYNSTEAMTYDEASAVCOQRYTHLVAIONKEELEYNSILSYSPSYWIGIRKVNW 81
QY 99 TWGTRKSLTEEAENMGDEEPNNKKNKEDCEYIYIKRKKDAGKNMDDACHLKAALCYTA 158
DB 82 VAVGTOKPLTEERAKMAGCEPNRKRKDEDCVEYIYIKRKKDVGMMNDECSKKKLALCYTA 141
QY 159 SCQPMSCSGHCEVIEIINNHTCNCDDVGYGPOCOLVIOCEPLEAPELGTMDCTHPFGNFS 218
DB 142 ACTNNTSGHCEVETINNHTCKDPPGSGLKCEQIVNCTALESEHSHLSVCSHPLGFS 201
QY 219 FSSQCAFSCSEGTNLGTLEETTCGFGWSSPEPICOYIOCEPLSAPDLGIMNCSHPLAS 278
DB 202 YNNSCSISCDRGYLPSSMETQCMSSGEMSAPIPCANVVECDAVTNPANGVFECFONPGS 261
QY 279 FSTSACTFICSEGTGLGKKTICSSGIMNSPICO 317
DB 262 FPMNTCTFDECEGPELMAQSLQCTSSGNDNEKPTCK 300

```

RESULT 13
 5217870-2
 Patent No. 5217870

```

;
; APPLICANT: HESSION, CATHERINE A.; LOBB, ROY R.; GOELZ, SUSAN E.
;
; TITLE OF INVENTION: MONOCLONAL ANTIBODIES AGAINST CDX
;
; NUMBER OF SEQUENCES: 4
;
; CURRENT APPLICATION DATA:
;
; APPLICATION NUMBER: US/07/345,151
;
; FILING DATE: 28-APR-1989
;
; SEQ ID NO: 2
;
; LENGTH: 610
;
; 5217870-2

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Query Match 40.7%; Score 862; DB 6; Length 610;
 Best Local Similarity 52.0%; Pred. No. 1.6e-70;
 Matches 145; Conservative 41; Mismatches 93; Indels 0; Gaps 0;

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QY 39 WYHSEKPMNORARCRDNYTDLVAIONKAELEYEKLTPSRSTYWGIRKIGIW 98
DB 22 WSYNSTEAMTYDEASAVCOQRYTHLVAIONKEELEYNSILSYSPSYWIGIRKVNW 81
QY 99 TWGTRKSLTEEAENMGDEEPNNKKNKEDCEYIYIKRKKDAGKNMDDACHLKAALCYTA 158
DB 82 VAVGTOKPLTEERAKMAGCEPNRKRKDEDCVEYIYIKRKKDVGMMNDECSKKKLALCYTA 141
QY 159 SCQPMSCSGHCEVIEIINNHTCNCDDVGYGPOCOLVIOCEPLEAPELGTMDCTHPFGNFS 218
DB 142 ACTNNTSGHCEVETINNHTCKDPPGSGLKCEQIVNCTALESEHSHLSVCSHPLGFS 201
QY 219 FSSQCAFSCSEGTNLGTLEETTCGFGWSSPEPICOYIOCEPLSAPDLGIMNCSHPLAS 278
DB 202 YNNSCSISCDRGYLPSSMETQCMSSGEMSAPIPCANVVECDAVTNPANGVFECFONPGS 261
QY 279 FSTSACTFICSEGTGLGKKTICSSGIMNSPICO 317
DB 262 FPMNTCTFDECEGPELMAQSLQCTSSGNDNEKPTCK 300

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RESULT 14
US-08-252-493C-9
; Sequence 9, Application US/08252493C
; Patent No. 5891645
;
; GENERAL INFORMATION:
;
; APPLICANT: Rollins, Scott
;
; APPLICANT: Rother, Russell P.
;
; APPLICANT: Evans, Mark J.
;
; APPLICANT: Mattis, Louis A.
;
; TITLE OF INVENTION: PORCINE E-SELECTIN
;
; NUMBER OF SEQUENCES: 9
;
; CORRESPONDENCE ADDRESS:
;
; ADDRESSEE: Seth A. Fidel
;
; STREET: 25 Science Park, Box 15
;
; CITY: New Haven
;
; STATE: Connecticut
;
; COUNTRY: USA
;
; ZIP: 06511
;
; COMPUTER READABLE FORM:
;
; MEDIUM TYPE: 3.5 inch, 750 KB storage
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; COMPUTER: PC compatible
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; OPERATING SYSTEM: DOS 6.2
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; SOFTWARE: Wordperfect 6.0
;
; CURRENT APPLICATION DATA:
;
; APPLICATION NUMBER: US/08/252,493C
;
; FILING DATE: June 1, 1994
;
; CLASSIFICATION: 435
;
; PRIOR APPLICATION DATA:
;
; APPLICATION NUMBER:
;
; FILING DATE:
;
; ATTORNEY/AGENT INFORMATION:
;
; NAME: Fidel, Seth A.
;
; REGISTRATION NUMBER: 38,449
;
; REFERENCE/DOCKET NUMBER: ALX-138
;
; TELECOMMUNICATION INFORMATION:
;
; TELEPHONE: (203) 776-1790
;
; TELEFAX: (203) 772-3655

```

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; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 484 amino acids
; TYPE: amino acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; MOLECULE TYPE: cDNA to mRNA
; DESCRIPTION: Predicted amino acid sequence of
; DESCRIPTION: Porcine E-selectin
US-08-252-493C-9

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Query Match          38.5%; Score 814.5; DB 2; Length 484;
Best Local Similarity 36.1%; Pred. No. 2.6e-66;
Matches 159; Conservative 55; Mismatches 109; Indels 117; Gaps 7;

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QY 39 WTHYSEKPMNQARREFCNDYTDVAIONKAEIEYLEKTLPPSRSYWIGIKIGIW 98
   1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
   2 3 WSYASSTETMTFDASAYCOQRYTHLVAIONHAEIEYLNSTFNYSASYWIGIKINGTW 82
   QY 99 TWGTTNKLTEAEANWGDGEPNNKKNKEDVEIYIKRNKDGAKWDDACHKRLKALCYTA 158
   1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
   DB 83 TWIGTKALPPEATNMAPGEPPNNKQSNEDVEIYIKRDKSGKWNDRCSKKLALCYTA 142
   QY 159 SCQPMSCSGHGEVEIINNHTCNCNDVGYGPOCOLVIOCEPLAPELGTMDCT----- 211
   1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
   DB 143 ACPTSCSGHGECEIETINSSTCCYPGFRGLQCEQVVECDALENPVNGVYTGPQSLPMT 202
   QY 212 -----HP-----FGNFS 218
   DB 203 TCFAECKEGFELIGPEHLQCTSSGSGMDKKPTCKAVTCDYVGHQNDVSCNHSISGEFA 262
   QY 219 FSSQCAFSCSEGINLTGIEETTCGPFGNWSSPEPTCOVIOCEPLASADLIGMNCSH-PLA 277
   DB 263 YKSTCHFTCAEGFGLQPAIECTAOGQWTOQAVCAVCPAASOPKNGLVKFTHSPTG 322
   QY 278 SFSTSACTFICSGTELLIGKKKTCICSSGIMSNPSPICO-----KLDKFSMKEGD 330
   DB 323 EFTYKSSCAFCSEGBFELRBSAQLACTSQGOWQDEVPSQVQCSSLEVPREIMSCSGE 382
   QY 331 YNPLF-----IPVAVWYTA----- 344
   DB 383 --PVFGAVCTFACPEGMLNGSVALTGCGATGHWGMLPTCEAPAESKITPLAMGLAAGVS 440
   QY 345 -FSGLAFTIWLARRLKGGK 363
   DB 441 FMTSASFLLMLRLRRRAK 460

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RESULT 15
US-09-276-197-9
; Sequence 9, Application US/09276197
; Patent No. 6040428

```

```

; GENERAL INFORMATION:
; APPLICANT: Rollins, Scott
; APPLICANT: Rother, Russell P.
; APPLICANT: Evans, Mark J.
; APPLICANT: Matlis, Louis A.
; TITLE OF INVENTION: PORCINE E-SELECTIN
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seth A. Fidel
; STREET: 25 Science Park, Box 15
; CITY: New Haven
; STATE: Connecticut
; COUNTRY: USA
; ZIP: 06511
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 750 KB storage
; COMPUTER: PC compatible
; OPERATING SYSTEM: DOS 6.2
; SOFTWARE: Wordperfect 6.0
; CURRENT APPLICATION DATA:

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; APPLICATION NUMBER: US/09/276,197
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/252,493
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Fidel, Seth A.
; REGISTRATION NUMBER: 38,449
; REFERENCE/DOCKET NUMBER: ALX-138
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (203) 776-1790
; TELEFAX: (203) 772-3655
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 484 amino acids
; TYPE: amino acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; MOLECULE TYPE: cDNA to mRNA
; DESCRIPTION: Predicted amino acid sequence of
; DESCRIPTION: Porcine E-selectin
US-09-276-197-9

```

```

Query Match          38.5%; Score 814.5; DB 3; Length 484;
Best Local Similarity 36.1%; Pred. No. 2.6e-66;
Matches 159; Conservative 55; Mismatches 109; Indels 117; Gaps 7;

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QY 39 WTHYSEKPMNQARREFCNDYTDVAIONKAEIEYLEKTLPPSRSYWIGIKIGIW 98
   1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
   DB 23 WSYASSTETMTFDASAYCOQRYTHLVAIONHAEIEYLNSTFNYSASYWIGIKINGTW 82
   QY 99 TWGTTNKLTEAEANWGDGEPNNKKNKEDVEIYIKRNKDGAKWDDACHKRLKALCYTA 158
   1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
   DB 83 TWIGTKALPPEATNMAPGEPPNNKQSNEDVEIYIKRDKSGKWNDRCSKKLALCYTA 142
   QY 159 SCQPMSCSGHGEVEIINNHTCNCNDVGYGPOCOLVIOCEPLAPELGTMDCT----- 211
   1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
   DB 143 ACPTSCSGHGECEIETINSSTCCYPGFRGLQCEQVVECDALENPVNGVYTGPQSLPMT 202
   QY 212 -----HP-----FGNFS 218
   DB 203 TCFAECKEGFELIGPEHLQCTSSGSGMDKKPTCKAVTCDYVGHQNDVSCNHSISGEFA 262
   QY 219 FSSQCAFSCSEGINLTGIEETTCGPFGNWSSPEPTCOVIOCEPLASADLIGMNCSH-PLA 277
   DB 263 YKSTCHFTCAEGFGLQPAIECTAOGQWTOQAVCAVCPAASOPKNGLVKFTHSPTG 322
   QY 278 SFSTSACTFICSGTELLIGKKKTCICSSGIMSNPSPICO-----KLDKFSMKEGD 330
   DB 323 EFTYKSSCAFCSEGBFELRBSAQLACTSQGOWQDEVPSQVQCSSLEVPREIMSCSGE 382
   QY 331 YNPLF-----IPVAVWYTA----- 344
   DB 383 --PVFGAVCTFACPEGMLNGSVALTGCGATGHWGMLPTCEAPAESKITPLAMGLAAGVS 440
   QY 345 -FSGLAFTIWLARRLKGGK 363
   DB 441 FMTSASFLLMLRLRRRAK 460

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RESULT 16
US-08-274-661B-38
; Sequence 38, Application US/08274661B
; Patent No. 5593882

```

```

; GENERAL INFORMATION:
; APPLICANT: Erbe, David V.
; APPLICANT: Lasky, Laurence A.
; APPLICANT: Presta, Leonard G.
; TITLE OF INVENTION: Selectin Variants
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:

```

```

1  PRIOR APPLICATION DATA:
2  APPLICATION NUMBER: US 08/008,459
3  FILING DATE: 25-JAN-1993
4  ATTORNEY/AGENT INFORMATION:
5  NAME: Gunnison, Jane
6  REGISTRATION NUMBER: 38,479
7  REFERENCE/DOCKET NUMBER: CG-104 CON
8  TELECOMMUNICATION INFORMATION:
9  TELEPHONE: 212-596-9090
10  TELEFAX: 212-596-9090
11  INFORMATION FOR SEQ ID NO: 14:
12  SEQUENCE CHARACTERISTICS:
13  LENGTH: 119 amino acids
14  TYPE: amino acid
15  STRANDEDNESS:
16  TOPOLOGY: linear
17  MOLECULE TYPE: protein
18  US-08-340-539A-14
19
20 Query Match 27.7%; Score 587, DB 1, Length 119;
21 Best Local Similarity 82.4%; Pred. No. 2,4e-46;
22 Matches 98; Conservative 12; Mismatches 9; Indels 0; Gaps 0;
23
24 Oy 39 WYHSEKPMNQRRRCRDNYDTPLVALIONKALEYEKLTPESRSYWGIRKIGTW 98
25 1 WYHHSKRPMPREKARACRENYTTLVALONKGETLEYLNTKTOPFSRTYWGIRVEGWA 60
26
27 Db 61 TWGTSKSLTEAEWSDGGEPPNNKKKEDCEYIYIKRKNDAKWNDDACHIKRAALCYT 157
28 61 TWGTSKSLTEAEWSDGGEPPNNKKKEDCEYIYIKRKNDSGKWNDDACHIKRAALCYT 119
29
30 RESULT 18
31 US-08-340-539A-12
32 Sequence 12, Application US/08340539A
33 Patent No. 5808025
34 GENERAL INFORMATION:
35 APPLICANT: Teddar, Thomas F.
36 APPLICANT: Kansas, Geoffrey S.
37 TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULANEUS
38 NUMBER OF SEQUENCES: 28
39 CORRESPONDENCE ADDRESS:
40 ADDRESSEE: FISH & NEAVE
41 STREET: 1251 Avenue of the Americas
42 CITY: New York
43 STATE: New York
44 COUNTRY: USA
45 ZIP: 10020
46
47 COMPUTER READABLE FORM:
48 MEDIUM TYPE: Floppy disk
49 COMPUTER: IBM PC compatible
50 OPERATING SYSTEM: PC-DOS/MS-DOS
51 SOFTWARE: PatentIn Release #1.0, Version #1.30
52 CURRENT APPLICATION DATA:
53 APPLICATION NUMBER: US/08/340,539A
54 FILING DATE: 16-NOV-1994
55 CLASSIFICATION: 514
56 PRIOR APPLICATION DATA:
57 APPLICATION NUMBER: US 08/008,459
58 FILING DATE: 25-JAN-1993
59 ATTORNEY/AGENT INFORMATION:
60 NAME: Gunnison, Jane
61 REGISTRATION NUMBER: 38,479
62 REFERENCE/DOCKET NUMBER: CG-104 CON
63 TELECOMMUNICATION INFORMATION:
64 TELEPHONE: 212-596-9090
65 TELEFAX: 212-596-9090
66 INFORMATION FOR SEQ ID NO: 12:
67 SEQUENCE CHARACTERISTICS:
68 LENGTH: 119 amino acids
69 TYPE: amino acid

```


Best Local Similarity 64.2%; Pred. No. 7.6e-34;
Matches 77; Conservative 13; Mismatches 30; Indels 0; Gaps 0;

OY 39 WTHYSEKPMNQRARPCRDNTDLVAIONKAEIYLEKTLPPSRSYWIGIRKIGTW 98
Db 1 WTHYSEKPMNQRARPCRDNTDLVAIONKAEIYLEKTLPPSRSYWIGIRKIGTW 60
OY 99 TWVGTNKSITFEAENWGDGPEPNKKNKEDCVEIYIKRNDAGKWNDACHKLKAALCYTA 158
Db 61 TWVGTNKSITFEAENWGDGPEPNKKNKEDCVEIYIKRNDAGKWNDACHKLKAALCYTA 120

RESULT 27

US-08-274-661B-39
; Sequence 39, Application US/08274661B
; Patent No. 5593882
; GENERAL INFORMATION:
; APPLICANT: Erbe, David V.
; APPLICANT: Lasky, Laurence A.
; APPLICANT: Presta, Leonard G.
; TITLE OF INVENTION: Selectin Variants
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Winpatin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/274,661B
; FILING DATE: 13-Jul-1994
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/956701
; FILING DATE: 10/01/1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Dregler, Ginger R.
; REGISTRATION NUMBER: 33,055
; REFERENCE/DOCKET NUMBER: 761P1C1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-3216
; TELEFAX: 415/952-9881
; TELEEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 117 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
US-08-274-661B-39

Query Match 21.0%; Score 445; DB 1; Length 117;
Best Local Similarity 65.8%; Pred. No. 2.1e-33;
Matches 77; Conservative 11; Mismatches 29; Indels 0; Gaps 0;

OY 39 WTHYSEKPMNQRARPCRDNTDLVAIONKAEIYLEKTLPPSRSYWIGIRKIGTW 98
Db 1 WTHYSEKPMNQRARPCRDNTDLVAIONKAEIYLEKTLPPSRSYWIGIRKIGTW 60
OY 99 TWVGTNKSITFEAENWGDGPEPNKKNKEDCVEIYIKRNDAGKWNDACHKLKAALC 155
Db 61 TWVGTNKSITFEAENWGDGPEPNKKNKEDCVEIYIKRNDAGKWNDACHKLKAALC 117

RESULT 28
US-08-274-661B-36
; Sequence 36, Application US/08274661B

; Patent No. 5593882
; GENERAL INFORMATION:

; APPLICANT: Erbe, David V.
; APPLICANT: Lasky, Laurence A.
; APPLICANT: Presta, Leonard G.
; TITLE OF INVENTION: Selectin Variants
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Winpatin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/274,661B
; FILING DATE: 13-Jul-1994
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/956701
; FILING DATE: 10/01/1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Dregler, Ginger R.
; REGISTRATION NUMBER: 33,055
; REFERENCE/DOCKET NUMBER: 761P1C1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-3216
; TELEFAX: 415/952-9881
; TELEEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 120 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
US-08-274-661B-36

Query Match 20.4%; Score 431; DB 1; Length 120;
Best Local Similarity 61.7%; Pred. No. 4.1e-32;
Matches 74; Conservative 13; Mismatches 33; Indels 0; Gaps 0;

OY 39 WTHYSEKPMNQRARPCRDNTDLVAIONKAEIYLEKTLPPSRSYWIGIRKIGTW 98
Db 1 WTHYSEKPMNQRARPCRDNTDLVAIONKAEIYLEKTLPPSRSYWIGIRKIGTW 60
OY 99 TWVGTNKSITFEAENWGDGPEPNKKNKEDCVEIYIKRNDAGKWNDACHKLKAALCYTA 158
Db 61 TWVGTNKSITFEAENWGDGPEPNKKNKEDCVEIYIKRNDAGKWNDACHKLKAALCYTA 120

RESULT 29

US-08-340-539A-15
; Sequence 15, Application US/08340539A
; Patent No. 5808025
; GENERAL INFORMATION:
; APPLICANT: Tedder, Thomas F.
; APPLICANT: Kansas, Geoffrey S.
; TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS
; TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FISH & NEAVE
; STREET: 1251 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10020
; COMPUTER READABLE FORM:


```

; COUNTRY: USA
; ZIP: 10020
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/340,539A
; FILING DATE: 16-NOV-1994
; CLASSIFICATION: 514
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/008,459
; FILING DATE: 25-JAN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Gunnison, Jane
; REGISTRATION NUMBER: 38,479
; REFERENCE/DOCKET NUMBER: CG-104 CON
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-596-9000
; TELEFAX: 212-596-9090
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 36 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-340-539A-22

```

```

Query Match          9.4%; Score 199; DB 1; Length 36;
Best Local Similarity 82.9%; Pred. No. 1,3e-11;
Matches 29; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 158 ASQPMSCSGHGCVCIIINNHTCNCVGYGPGCQ 192
Db 1 ASQPMSCSGHGCVCVANNYTCNDLGYGPGCQ 35

```

```

RESULT 33
US-08-296-014A-4
; Sequence 4, Application US/08296014A
; Patent No. 5716834
; GENERAL INFORMATION:
; APPLICANT: Ding, Jeak Ling
; TITLE OF INVENTION: The Cloned Factor C cDNA of the
; TITLE OF INVENTION: Singapore Horseshoe Crab, Carcinus scorpis
; TITLE OF INVENTION: rotundicauda and Purification of Factor C Proenzyme
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Birch, Stewart, Kolasch & Birch
; STREET: 8110 Gatehouse Road, Suite 500 East
; CITY: Falls Church
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22042
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/296,014A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Murphy, Jr., Gerald M.
; REGISTRATION NUMBER: 28,977
; REFERENCE/DOCKET NUMBER: 1781-105P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 205-8000

```

```

; TELEFAX: (703) 205-8050
; TELEX: 248345
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1019 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-296-014A-4

```

```

Query Match          9.0%; Score 189.5; DB 1; Length 1019;
Best Local Similarity 29.3%; Pred. No. 7e-09;
Matches 54; Conservative 26; Mismatches 83; Indels 21; Gaps 9;

```

```

QY 147 CHTKRALCYTASCP-----MSCSGHGCVC--IINNHT--CNCADVGYGPGCQVLYQC 197
Db 84 CQCKRAGLDCVTCPEPKKYGTV--CSGECCKKNGKICDPTGACACRDYEGVHCILKGC 142
QY 198 EPLAPELLTMDCTHPFGNFSFSSOCAPSCSGTNU/TGIEETTCGPGNWSPEPTQVI 257
Db 143 -PLPBSDQVQVYRNPDPN---PQTIDISCSFGFLKGMARISCLPQOWSFPKPC-IR 197
QY 258 QCEPLSAPDLGIMNCSHPLASFTSACT--FICSEGTLLGKKKTCISSGIMSNSPSPI 315
Db 198 ECAMWSPPEHKKVNA----LSGDMIEGATLRFSCDSPYLLGQETTLTCGNGQNNQGIPIQ 253
QY 316 CQKL 319
Db 254 CKNL 257

```

```

RESULT 34
US-08-596-405-4
; Sequence 4, Application US/08596405
; Patent No. 5858706
; GENERAL INFORMATION:
; APPLICANT: Ding, Jeak Ling
; TITLE OF INVENTION: The Cloned Factor C cDNA of the
; TITLE OF INVENTION: Singapore Horseshoe Crab, Carcinus scorpis
; TITLE OF INVENTION: rotundicauda and Purification of Factor C Proenzyme
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Birch, Stewart, Kolasch & Birch
; STREET: 8110 Gatehouse Road, Suite 500 East
; CITY: Falls Church
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22042
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/596,405
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Murphy, Jr., Gerald M.
; REGISTRATION NUMBER: 28,977
; REFERENCE/DOCKET NUMBER: 1781-105P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 205-8000
; TELEFAX: (703) 205-8050
; TELEX: 248345
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1019 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

```


D_b 207 - PLLEPSDQVOEVNRPNPNN--PQTIDYSCSPGKRLKGMARISOLPGNGMSNPPPKC-IR 261
O_y 258 QCEPLASDTGLMNCSHFLAFSTACT--FISEGTELLIGKKKTICBSGGIWSNPPI 315
 :
 :
Db 262 ECAMVSSPEHKNVN----LSGDMEGATLRFSDSPLYILIGDETLFCQGNGWGNIPO 317

O_y 316 CQKL 319
 :
 :
Db 318 CKNL 321

```

1      RESULT 37
2      US-08-596-405-2
3      : Sequence 2, Application US/08596405
4      : Patent No. 5658706
5      :
6      : GENERAL INFORMATION:
7      : APPLICANT: Ding, Yeak Ling
8      : APPLICANT: Ho, Bow
9      : TITLE OF INVENTION: The Cloned Factor C cDNA of the
10     : TITLE OF INVENTION: Singapore Horseshoe Crab, Carcinoscopus
11     : TITLE OF INVENTION: retundicauda and Purification of Factor C Proenzymae
12     : NUMBER OF SEQUENCES: 4
13     : CORRESPONDENCE ADDRESSES:
14     : ADDRESSEE: Birch, Stewart, Kolasch & Birch
15     : STREET: 8110 Gatehouse Road, Suite 500 East
16     : CITY: Falls Church
17     : STATE: Virginia
18     : COUNTRY: USA
19     :
20     : ZIP: 22042
21     :
22     : COMPUTER READABLE FORM:
23     : MEDIUM TYPE: Floppy disk
24     : COMPUTER: IBM PC compatible
25     : OPERATING SYSTEM: PC-DOS/MS-DOS
26     : SOFTWARE: Patentin Release #1.0, Version #1.25
27     : CURRENT APPLICATION DATA:
28     : APPLICATION NUMBER: US/08/596,405
29     : FILING DATE:
30     : CLASSIFICATION: 435
31     : ATTORNEY/AGENT INFORMATION:
32     : NAME: Murphy, Jr., Gerald M.
33     : REGISTRATION NUMBER: 28,977
34     : REFERENCE/DOCKET NUMBER: 1781-105P
35     : TELECOMMUNICATION INFORMATION:
36     : TELEPHONE: (703) 205-8000
37     : TELEFAX: (703) 205-8050
38     : TELEX: 248345
39     : INFORMATION FOR SEQ ID NO: 2:
40     : SEQUENCE CHARACTERISTICS:
41     : LENGTH: 1083 amino acids
42     : TYPE: amino acid
43     : TOPOLOGY: linear
44     : MOLECULE TYPE: protein
45     :
46     : US-08-596-405-2

```

Query Match	9.0%;	Score 189.5;	DB 2;	Length 1083;
Best Local Similarity	29.3%;	Pred. No. 7.6e-09;		
Matches 54;	Conservative 26;	Mismatches 83;	Indels 21;	Gaps 9;

[illegible]

Db 318 CKNL 321

RESULT 38
 US-08-877-620-2
 ; Sequence 2, Application US/08877620
 ; Patent No. 5985590
 ; GENERAL INFORMATION:
 ; APPLICANT: Ding, Jeak Ling
 ; APPLICANT: Ho, Bow
 ; TITLE OF INVENTION: The Cloned Factor C cDNA of the
 ; TITLE OF INVENTION: Singapore Horseshoe Crab, Carcinoscopus
 ; TITLE OF INVENTION: rotundicauda and Purification of Factor C Proenzymes
 ; NUMBER OF SEQUENCES: 4
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Birch, Stewart, Kolasch & Birch
 ; STREET: 8110 Gatehouse Road, Suite 500 East
 ; CITY: Falls Church
 ; STATE: Virginia
 ; COUNTRY: USA
 ; ZIP: 22042
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentln Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/877,620
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/596,405
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Murphy, Jr., Gerald M.
 ; REGISTRATION NUMBER: 28,977
 ; REFERENCE/DOCKET NUMBER: 1781-105P
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (703) 205-8000
 ; TELEFAX: (703) 205-8050
 ; TELEX: 248345
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 1083 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-877-620-2

Query Match	9.0%;	Score 189.5;	DB 2;	Length 1083;
Best Local Similarity	29.3%;	Pred. No. 7.6e-09;		
Matches	54;	Conservative	26;	Mismatches 83;
			Indels	21;
			Gaps	9

```

0Y 147 CHKLAALCYTASOOP-----WSSGSGHECE--11NNHT--CNCMDGYGPOCQYVIOC 197
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 148 COECAGAGDSCVTCPPNKRYTM--CSGECQCKANGGICDQRTGACACRDRYBESVHELLGC 206
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
0Y 198 BFLAEPALGTMDCTHPFGNFSFSSQCAFSCSEGTNLGTIEETTCGPFGNMSSPEPTCOVI 257
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 207 -PLTPSDSQVOQVEVRNPDPN---PQTIDYSCSPGFKLGMARISCLPFGOMSNPPKC-IR 261
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
0Y 258 OCEPLASADDIIMNCSHSLAFSTTSACT--FTCSGETELIGKKRTICSSGGLWSNDSPT 315
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 262 ECAMVSSSEHGKVA---LSGDMIEGATLTFSCDSPYLLIGQETLLCOQNGOMNGOIPQ 317
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
0Y 316 CQKL 319
      : : :
Db 318 CKNL 321

```


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GenCore version 4.5
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OM protein - protein search, using sw model

Run on: September 4, 2002, 08:34:54 ; Search time 36.29 seconds
(without alignments)
2521.062 Million cell updates/sec

Title: US-09-119-209-2

Perfect score: 2116
Sequence: 1 MIFPMKCGSTORDLMNIFKL.....WLAARLKGGKSKSRMNDPY 372

Scoring table:

BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 763338 seqs, 245939087 residues

Total number of hits satisfying chosen parameters: 763338

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

Pending_Patents_AA_New:*
1: /cgn2_6/ptodata/2/paa/PCF_NEW_COMB.pep:*
2: /cgn2_6/ptodata/2/paa/US06_NEW_COMB.pep:*
3: /cgn2_6/ptodata/2/paa/US07_NEW_COMB.pep:*
4: /cgn2_6/ptodata/2/paa/US08_NEW_COMB.pep:*
5: /cgn2_6/ptodata/2/paa/US09_NEW_COMB.pep:*
6: /cgn2_6/ptodata/2/paa/US10_NEW_COMB.pep:*
7: /cgn2_6/ptodata/2/paa/US60_NEW_COMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2110	99.7	372	5	US-09-791-537-152667 Sequence 152667, A
2	2094	99.0	372	5	US-09-791-537-84593 Sequence 84593, A
3	2090	98.8	372	5	US-09-791-537-22816 Sequence 22816, A
4	2090	98.8	372	5	US-09-791-537-51381 Sequence 51381, A
5	2085	98.5	372	5	US-09-791-537-42657 Sequence 42657, A
6	2082	98.4	372	5	US-09-791-537-113060 Sequence 113060, A
7	2076	98.1	372	5	US-09-791-537-69658 Sequence 69658, A
8	2076	98.1	372	5	US-09-791-537-53844 Sequence 53844, A
9	2062	97.4	372	5	US-09-791-537-42659 Sequence 42659, A
10	1996	94.3	372	5	US-09-791-537-42657 Sequence 42657, A
11	1992	94.1	372	5	US-09-791-537-42658 Sequence 42658, A
12	1871.5	88.4	372	5	US-09-791-537-58446 Sequence 58446, A
13	1807	85.4	341	6	US-10-212-054-1171 Sequence 1171, Ap
14	1807	85.4	341	6	US-10-212-054-1328 Sequence 1328, Ap
15	1807	85.4	341	6	US-10-212-054-1158 Sequence 1158, Ap
16	1796	84.9	376	5	US-09-791-537-132144 Sequence 132144, A
17	1682	79.5	370	5	US-09-791-537-50403 Sequence 50403, A
18	1660	78.4	372	5	US-09-791-537-6693 Sequence 6693, Ap
19	1653	78.1	372	5	US-09-791-537-81233 Sequence 81233, Ap
20	1652	78.1	372	5	US-09-791-537-53485 Sequence 53485, A
21	1651	78.0	372	5	US-09-791-537-37750 Sequence 37750, A
22	1606	75.9	360	5	US-09-791-537-60503 Sequence 60503, A
23	999	47.2	184	6	US-10-212-054-1437 Sequence 1437, Ap
24	919.5	43.5	769	5	US-09-791-537-50409 Sequence 50409, A
25	911	43.1	616	5	US-09-791-537-32025 Sequence 32025, A
26	909	43.0	740	5	US-09-791-537-32023 Sequence 32023, A

27	905	42.8	830	5	US-09-791-537-22819 Sequence 22819, A
28	905	42.8	830	5	US-09-791-537-35618 Sequence 35618, A
29	902.5	42.7	768	5	US-09-791-537-20989 Sequence 20989, A
30	902.5	42.7	768	5	US-09-791-537-37753 Sequence 37753, A
31	898	42.4	740	5	US-09-791-537-32024 Sequence 32024, A
32	894.5	42.3	646	5	US-09-791-537-84829 Sequence 84829, A
33	885	41.8	758	5	US-09-791-537-36038 Sequence 36038, A
34	884	41.8	754	5	US-09-791-537-14651 Sequence 14651, A
35	876.5	41.4	646	5	US-09-791-537-18300 Sequence 18300, A
36	862	40.7	610	5	PCT-US02-23813-357 Sequence 357, App
37	862	40.7	610	5	US-09-791-537-22813 Sequence 22813, A
38	862	40.7	610	5	US-09-791-537-121834 Sequence 121834, A
39	862	40.7	610	6	US-10-205-823-357 Sequence 357, App
40	861	40.7	551	5	US-09-791-537-44925 Sequence 44925, A
41	861	40.7	551	5	US-09-791-537-121836 Sequence 121836, A
42	860.5	40.7	649	5	US-09-791-537-93873 Sequence 93873, A
43	860	40.6	611	5	US-09-791-537-118878 Sequence 118878, A
44	858.5	40.6	549	5	US-09-791-537-50406 Sequence 50406, A
45	857	40.5	612	5	US-09-791-537-73416 Sequence 73416, A

ALIGNMENTS

RESULT 1
US-09-791-537-152667
Sequence 152667, Application US/09791537
GENERAL INFORMATION:
APPLICANT: Biomimix, Inc.
APPLICANT: Debe, Derek
TITLE OF INVENTION: Danzer, Joseph
TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY ME
FILE REFERENCE: 261/210
CURRENT FILING DATE: 2001-02-22
NUMBER OF SEQ ID NOS: 153055
SOFTWARE: PatentIn version 3.0
SEQ ID NO 152667
LENGTH: 372
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc-feature
LOCATION: (11)..(11)
OTHER INFORMATION: X is an unknown amino acid
US-09-791-537-152667

152667 X not good data

Query Match 99.7% Score 2110; DB 5; Length 372;
Best Local Similarity 99.7% Pred. No. 3.4e-134;
Matches 371; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 MIFPMKCGSTORDLMNIFKLGMWMLCDPLAHGCTYCMTHYSEKPMNORARFCRDN 60
Db 1 MIFPMKCGSTORDLMNIFKLGMWMLCDPLAHGCTYCMTHYSEKPMNORARFCRDN 60
QY 61 YTDVAIONKAEIELEKTLFSSRSYWIIGIRKIGITWVGTKNSLLEAENMGDGP 120
Db 61 YTDVAIONKAEIELEKTLFSSRSYWIIGIRKIGITWVGTKNSLLEAENMGDGP 120
QY 121 NKKKKECEVEIYIRKNDAGRWNDACIKLAALCYTASCPWSCSGHGECEVEIINHTC 180
Db 121 NKKKKECEVEIYIRKNDAGRWNDACIKLAALCYTASCPWSCSGHGECEVEIINHTC 180
QY 181 NCDVGYGPOCOVLIOCEPLAPLGTMDCTHPGNFSSQCAFCSEGTNLGIEET 240
Db 181 NCDVGYGPOCOVLIOCEPLAPLGTMDCTHPGNFSSQCAFCSEGTNLGIEET 240
QY 241 CGPFGNMSPEPTCOVIOCEPLAPDLGIMNCSPHLASFSTACTFICSGTELIGKK 300
Db 241 CGPFGNMSPEPTCOVIOCEPLAPDLGIMNCSPHLASFSTACTFICSGTELIGKK 300

QY 301 TICSSGSIWNSPSPICQKLDKSFMSIKKGDYNPLFIPVAVMTAFSGIAFIIMLARLKK 360
Db 301 TICSSGSIWNSPSPICQKLDKSFMSIKKGDYNPLFIPVAVMTAFSGIAFIIMLARLKK 360
QY 361 GKSKSRSMNDPY 372
Db 361 GKSKSRSMNDPY 372

RESULT 2

US-09-791-537-84593
; Sequence 84593, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Bionomix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBERS
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 84593
; LENGTH: 372
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-791-537-84593

Query Match 99.0%; Score 2094; DB 5; Length 372;
Best Local Similarity 99.2%; Pred. No. 4.1e-133;
Matches 369; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MIFPMKQOSTORDLMNIFKLMGWTMLCCDPLAHGTCWTYHSEKPMNMQARRRCRDN 60
Db 1 MIFPMKQOSTORDLMNIFKLMGWTMLCCDPLAHGTCWTYHSEKPMNMQARRRCRDN 60
QY 61 YTDVLAIONKAEIYLEKTLFPSRSYVWIGIRKIGITWVGITNKSILTEAEAMGDEPN 120
Db 61 YTDVLAIONKAEIYLEKTLFPSRSYVWIGIRKIGITWVGITNKSILTEAEAMGDEPN 120
QY 121 NKKNKEDCVEIYIKRNKDGKNDACHKLAALCYTASCPWSCSGHGECEIINNHTC 180
Db 121 NKKNKEDCVEIYIKRNKDGKNDACHKLAALCYTASCPWSCSGHGECEIINNHTC 180
QY 181 NCDVGYGPOCOLVIOCEPLAEPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKK 240
Db 181 NCDVGYGPOCOLVIOCEPLAEPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKK 240
QY 241 CGPFGWMSPEPTCOVIOCEPLAEPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKK 300
Db 241 CGPFGWMSPEPTCOVIOCEPLAEPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKK 300
QY 301 TICSSGSIWNSPSPICQKLDKSFMSIKKGDYNPLFIPVAVMTAFSGIAFIIMLARLKK 360
Db 301 TICSSGSIWNSPSPICQKLDKSFMSIKKGDYNPLFIPVAVMTAFSGIAFIIMLARLKK 360
QY 361 GKSKSRSMNDPY 372
Db 361 GKSKSRSMNDPY 372

RESULT 3

US-09-791-537-22816
; Sequence 22816, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Bionomix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBERS
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: 261/210

; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 22816
; LENGTH: 372
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-791-537-22816

Query Match 98.8%; Score 2090; DB 5; Length 372;
Best Local Similarity 98.9%; Pred. No. 7.6e-133;
Matches 368; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 MIFPMKQOSTORDLMNIFKLMGWTMLCCDPLAHGTCWTYHSEKPMNMQARRRCRDN 60
Db 1 MIFPMKQOSTORDLMNIFKLMGWTMLCCDPLAHGTCWTYHSEKPMNMQARRRCRDN 60
QY 61 YTDVLAIONKAEIYLEKTLFPSRSYVWIGIRKIGITWVGITNKSILTEAEAMGDEPN 120
Db 61 YTDVLAIONKAEIYLEKTLFPSRSYVWIGIRKIGITWVGITNKSILTEAEAMGDEPN 120
QY 121 NKKNKEDCVEIYIKRNKDGKNDACHKLAALCYTASCPWSCSGHGECEIINNHTC 180
Db 121 NKKNKEDCVEIYIKRNKDGKNDACHKLAALCYTASCPWSCSGHGECEIINNHTC 180
QY 181 NCDVGYGPOCOLVIOCEPLAEPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKK 240
Db 181 NCDVGYGPOCOLVIOCEPLAEPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKK 240
QY 241 CGPFGWMSPEPTCOVIOCEPLAEPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKK 300
Db 241 CGPFGWMSPEPTCOVIOCEPLAEPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKK 300
QY 301 TICSSGSIWNSPSPICQKLDKSFMSIKKGDYNPLFIPVAVMTAFSGIAFIIMLARLKK 360
Db 301 TICSSGSIWNSPSPICQKLDKSFMSIKKGDYNPLFIPVAVMTAFSGIAFIIMLARLKK 360
QY 361 GKSKSRSMNDPY 372
Db 361 GKSKSRSMNDPY 372

RESULT 4

US-09-791-537-51391
; Sequence 51391, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Bionomix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBERS
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 51391
; LENGTH: 365
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-791-537-51391

Query Match 98.8%; Score 2090; DB 5; Length 365;
Best Local Similarity 98.9%; Pred. No. 7.9e-133;
Matches 368; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 MIFPMKQOSTORDLMNIFKLMGWTMLCCDPLAHGTCWTYHSEKPMNMQARRRCRDN 60
Db 14 MIFPMKQOSTORDLMNIFKLMGWTMLCCDPLAHGTCWTYHSEKPMNMQARRRCRDN 73

SOFTWARE: PatentIn version 3.0
; SEQ ID NO 69658
; LENGTH: 372
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-791-537-69658

Query Match 98.1%; Score 2076; DB 5; Length 372;
Best Local Similarity 98.1%; Pred. No. 6,6e-132;
Matches 365; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 MIFPKCOSTORDLWNIKFLMGWMLCCDFLAHHGTYCWTYHSKPMNQARARFCRDN 60
DB 1 MIFPKCOSTORDLWNIKFLMGWMLCCDFLAHHGTYCWTYHSKPMNQARARFCRDN 60
QY 61 YTDLVAIONKAEIEYLEKTLTPFSRSYWIIGIRKIGITWVTGNTKSLTEAEENMGDGEPN 120
DB 61 YTDLVAIONKAEIEYLEKTLTPFSRSYWIIGIRKIGITWVTGNTKSLTEAEENMGDGEPN 120
QY 121 NKKNKEDCEVEIYIKRNKDGKWDACCHKLAKALCTYASQCPWSCSGHGECEVEIINNHTC 180
DB 121 NKKNKEDCEVEIYIKRNKDGKWDACCHKLAKALCTYASQCPWSCSGHGECEVEIINNHTC 180
QY 181 NCDVGYGGPQCQVLYIOCEPLAPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKR 240
DB 181 NCDVGYGGPQCQVLYIOCEPLAPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKR 240
QY 241 CGPFGNWSPEPTCOVIOCEPLAPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKR 300
DB 241 CGPFGNWSPEPTCOVIOCEPLAPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKR 300
QY 301 TICSSGSIWNSPPIQOKLDFSMIKEDGYNPLFIPVAVMTAFSGLAFTIWLARLKK 360
DB 301 TICSSGSIWNSPPIQOKLDFSMIKEDGYNPLFIPVAVMTAFSGLAFTIWLARLKK 360
QY 361 GKSKRSNDPY 372
DB 361 GKSKRSNDPY 372

RESULT 8
US-09-791-537-53844
; Sequence 53844, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Biomimix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBE
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 53844
; LENGTH: 385
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-791-537-53844

Query Match 98.1%; Score 2076; DB 5; Length 385;
Best Local Similarity 98.1%; Pred. No. 6,8e-132;
Matches 365; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 MIFPKCOSTORDLWNIKFLMGWMLCCDFLAHHGTYCWTYHSKPMNQARARFCRDN 60
DB 14 MIFPKCOSTORDLWNIKFLMGWMLCCDFLAHHGTYCWTYHSKPMNQARARFCRDN 73
QY 61 YTDLVAIONKAEIEYLEKTLTPFSRSYWIIGIRKIGITWVTGNTKSLTEAEENMGDGEPN 120
DB 74 YTDLVAIONKAEIEYLEKTLTPFSRSYWIIGIRKIGITWVTGNTKSLTEAEENMGDGEPN 133

QY 121 NKKNKEDCEVEIYIKRNKDGKWDACCHKLAKALCTYASQCPWSCSGHGECEVEIINNHTC 180
DB 134 NKKNKEDCEVEIYIKRNKDGKWDACCHKLAKALCTYASQCPWSCSGHGECEVEIINNHTC 193
QY 181 NCDVGYGGPQCQVLYIOCEPLAPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKR 240
DB 194 NCDVGYGGPQCQVLYIOCEPLAPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKR 253
QY 241 CGPFGNWSPEPTCOVIOCEPLAPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKR 300
DB 254 CGPFGNWSPEPTCOVIOCEPLAPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKR 313
QY 301 TICSSGSIWNSPPIQOKLDFSMIKEDGYNPLFIPVAVMTAFSGLAFTIWLARLKK 360
DB 314 TICSSGSIWNSPPIQOKLDFSMIKEDGYNPLFIPVAVMTAFSGLAFTIWLARLKK 373
QY 361 GKSKRSNDPY 372
DB 374 GKSKRSNDPY 385

RESULT 9
US-09-791-537-42659
; Sequence 42659, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Biomimix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY ME
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 42659
; LENGTH: 372
; TYPE: PRT
; ORGANISM: Pongo pygmaeus
US-09-791-537-42659

Query Match 97.4%; Score 2062; DB 5; Length 372;
Best Local Similarity 97.6%; Pred. No. 5,8e-131;
Matches 363; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 1 MIFPKCOSTORDLWNIKFLMGWMLCCDFLAHHGTYCWTYHSKPMNQARARFCRDN 60
DB 1 MIFPKCOSTORDLWNIKFLMGWMLCCDFLAHHGTYCWTYHSKPMNQARARFCRDN 60
QY 61 YTDLVAIONKAEIEYLEKTLTPFSRSYWIIGIRKIGITWVTGNTKSLTEAEENMGDGEPN 120
DB 61 YTDLVAIONKAEIEYLEKTLTPFSRSYWIIGIRKIGITWVTGNTKSLTEAEENMGDGEPN 120
QY 121 NKKNKEDCEVEIYIKRNKDGKWDACCHKLAKALCTYASQCPWSCSGHGECEVEIINNHTC 180
DB 121 NKKNKEDCEVEIYIKRNKDGKWDACCHKLAKALCTYASQCPWSCSGHGECEVEIINNHTC 180
QY 181 NCDVGYGGPQCQVLYIOCEPLAPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKR 240
DB 181 NCDVGYGGPQCQVLYIOCEPLAPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKR 240
QY 241 CGPFGNWSPEPTCOVIOCEPLAPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKR 300
DB 241 CGPFGNWSPEPTCOVIOCEPLAPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKR 300
QY 301 TICSSGSIWNSPPIQOKLDFSMIKEDGYNPLFIPVAVMTAFSGLAFTIWLARLKK 360
DB 301 TICSSGSIWNSPPIQOKLDFSMIKEDGYNPLFIPVAVMTAFSGLAFTIWLARLKK 360
QY 361 GKSKRSNDPY 372

Db 361 GKSKSKMDPY 372

```
RESULT 10
US-09-791-537-42655
; Sequence 42655, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Bionomix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMB
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791.537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 42655
; LENGTH: 372
; TYPE: PRT
; ORGANISM: Macaca mulatta
US-09-791-537-42655
```

Query Match 94.3%; Score 196; DB 5; Length 372;
Best Local Similarity 93.8%; Pred. No. 1.6e-126;
Matches 349; Conservative 13; Mismatches 10; Indels 0; Gaps 0;

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QY 1 MIFPWKCSTORDLNIIFKLMGWTMLCCDFLAHNGTYCWTYHYSEKPMNMORARFCRDN 60
DB 1 MIFPRKQSTORDLNIIFKLMGWTMLCCDFLAHNGTDCWTYHYSENPMMOKARFCREN 60
QY 61 YTDVAIONKAEIETLEKTLFSPRSYWIIGIRKIGITWGTNKSLEAEENMGDGEPN 120
DB 61 YTDVAIONKAEIETLEKTLFSPRSYWIIGIRKIGITWGTNKSLEAEENMGDGEPN 120
QY 121 NKKNKEDCEVEIYIRKNDAGKWDACHKLAALCYTASCPWSCSGHGECEVEIINNHTC 180
DB 121 NKKNKEDCEVEIYIRKNDAGKWDACHKPKAALCYTASCPWSCSGHGECEVEIINNHTC 180
QY 181 NCDVGYGPOCQFVIOCEPLSPDLGIMNCSPHLSFSSACTFSCSGTELIGIEETT 240
DB 181 NCDVGYGPOCQFVIOCEPLSPDLGIMNCSPHLSFSSACTFSCSGTELIGIEETT 240
QY 241 CGPFGNMSPEPTQOVIOCEPLSPDLGIMNCSPHLSFSTACTFSCSGTELIGIEKK 300
DB 241 CGPFGNMSPEPTQOVIOCEPLSPDLGIMNCSPHLSFSTACTFSCSGTELIGIEKK 300
QY 301 TICSSGIMSNPPIQCKLDKSFMIKEGDYNPFIPIVAVVTAFFSGLAFIIMLARLKK 360
DB 301 TICSSGIMSNPPIQCKLDKSFMIKEGDYNPFIPIVAVVTAFFSGLAFIIMLARLKK 360
QY 361 GKSKSKMDPY 372
DB 361 GKSKSKMDPY 372
```

```
RESULT 11
US-09-791-537-42658
; Sequence 42658, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Bionomix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMB
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791.537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 42658
; LENGTH: 372
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; TYPE: PRT
; ORGANISM: Papio hamadryas
US-09-791-537-42658

Query Match 94.1%; Score 192; DB 5; Length 372;
Best Local Similarity 93.5%; Pred. No. 2.9e-126;
Matches 348; Conservative 14; Mismatches 10; Indels 0; Gaps 0;

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QY 1 MIFPWKCSTORDLNIIFKLMGWTMLCCDFLAHNGTYCWTYHYSEKPMNMORARFCRDN 60
DB 1 MIFPRKQSTORDLNIIFKLMGWTMLCCDFLAHNGTDCWTYHYSENPMMOKARFCREN 60
QY 61 YTDVAIONKAEIETLEKTLFSPRSYWIIGIRKIGITWGTNKSLEAEENMGDGEPN 120
DB 61 YTDVAIONKAEIETLEKTLFSPRSYWIIGIRKIGITWGTNKSLEAEENMGDGEPN 120
QY 121 NKKNKEDCEVEIYIRKNDAGKWDACHKLAALCYTASCPWSCSGHGECEVEIINNHTC 180
DB 121 NKKNKEDCEVEIYIRKNDAGKWDACHKPKAALCYTASCPWSCSGHGECEVEIINNHTC 180
QY 181 NCDVGYGPOCQFVIOCEPLSPDLGIMNCSPHLSFSSACTFSCSGTELIGIEETT 240
DB 181 NCDVGYGPOCQFVIOCEPLSPDLGIMNCSPHLSFSSACTFSCSGTELIGIEETT 240
QY 241 CGPFGNMSPEPTQOVIOCEPLSPDLGIMNCSPHLSFSTACTFSCSGTELIGIEKK 300
DB 241 CGPFGNMSPEPTQOVIOCEPLSPDLGIMNCSPHLSFSTACTFSCSGTELIGIEKK 300
QY 301 TICSSGIMSNPPIQCKLDKSFMIKEGDYNPFIPIVAVVTAFFSGLAFIIMLARLKK 360
DB 301 TICSSGIMSNPPIQCKLDKSFMIKEGDYNPFIPIVAVVTAFFSGLAFIIMLARLKK 360
QY 361 GKSKSKMDPY 372
DB 361 GKSKSKMDPY 372
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```
RESULT 12
US-09-791-537-58446
; Sequence 58446, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Bionomix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY ME
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791.537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 58446
; LENGTH: 363
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-791-537-58446
```

Query Match 88.4%; Score 187.1; DB 5; Length 363;
Best Local Similarity 92.9%; Pred. No. 3.5e-118;
Matches 327; Conservative 9; Mismatches 9; Indels 7; Gaps 1;

```
QY 1 MIFPWKCSTORDLNIIFKLMGWTMLCCDFLAHNGTYCWTYHYSEKPMNMORARFCRDN 60
DB 1 MIFPRKQSTORDLNIIFKLMGWTMLCCDFLAHNGTDCWTYHYSENPMMOKARFCREN 73
QY 61 YTDVAIONKAEIETLEKTLFSPRSYWIIGIRKIGITWGTNKSLEAEENMGDGEPN 120
DB 61 YTDVAIONKAEIETLEKTLFSPRSYWIIGIRKIGITWGTNKSLEAEENMGDGEPN 120
QY 74 YTDVAIONKAEIETLEKTLFSPRSYWIIGIRKIGITWGTNKSLEAEENMGDGEPN 133
DB 74 YTDVAIONKAEIETLEKTLFSPRSYWIIGIRKIGITWGTNKSLEAEENMGDGEPN 133
QY 121 NKKNKEDCEVEIYIRKNDAGKWDACHKLAALCYTASCPWSCSGHGECEVEIINNHTC 180
DB 121 NKKNKEDCEVEIYIRKNDAGKWDACHKLAALCYTASCPWSCSGHGECEVEIINNHTC 180
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1 CURRENT APPLICATION NUMBER: US/10/212,778
2 CURRENT FILING DATE: 2002-08-07
3 PRIOR APPLICATION NUMBER: 09/758,449
4 PRIOR FILING DATE: 2001-01-11
5 PRIOR FILING DATE: 2000-01-31
6 PRIOR APPLICATION NUMBER: 60/179,065
7 PRIOR FILING DATE: 2000-01-31
8 PRIOR APPLICATION NUMBER: 60/180,628
9 PRIOR FILING DATE: 2000-02-04
10 NUMBER OF SEQ ID NOS: 1478
11 SOFTWARE: Patent In Ver. 2.0
12 SEQ ID NO 1158
13 LENGTH: 341
14 TYPE: PRT
15 ORGANISM: Homo sapiens
16 FEATURE:
17 NAME/KEY: misc_feature
18 LOCATION: (215)
19 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
20 US-10-212-778-1158

Query Match 85.4%; Score 1807; DB 6; Length 341;
Best Local Similarity 98.7%; Pred. No. 7.1e-114;
Matches 313; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 MIFPMKQSTQORDLMTNFKLMGWTMLCCDFLAHHGTCMTYHYSEKPMNORARFCRDN 60
DB 23 MIFPMKQSTQORDLMTNFKLMGWTMLCCDFLAHHGTCMTYHYSEKPMNORARFCRDN 82
QY 61 YTDLVAIONKAEIEYLEKTLPFSSRYWIGIRKIGIWTWGTNKSJLTEAEENMGDEPN 120
DB 83 YTDLVAIONKAEIEYLEKTLPFSSRYWIGIRKIGIWTWGTNKSJLTEAEENMGDEPN 142
QY 121 NKKNKEDCVETIYIKRNKDACKMNDACHKAKALCYTASQPMSCSGHGECEVETINNHTC 180
DB 143 NKKNKEDCVETIYIKRNKDACKMNDACHKAKALCYTASQPMSCSGHGECEVETINNHTC 202
QY 181 NCDVGYGPGCQVLYOCEPLAPDLGIMNCSHPLASFSTACTPTCSGTELLIGIEET 240
DB 203 NCDVGYGPGCQVLYOCEPLAPDLGIMNCSHPLASFSTACTPTCSGTELLIGIEET 262
QY 241 CGPFGNMSPEPTCOVYIOCEPLAPDLGIMNCSHPLASFSTACTPTCSGTELLIGIEET 300
DB 263 CGPFGNMSPEPTCOVYIOCEPLAPDLGIMNCSHPLASFSTACTPTCSGTELLIGIEET 322
QY 301 TICSSSGIWSNPSPIQ 317
DB 323 TICSSSGIWSNPSPIQ 339

RESULT 16
US-09-791-537-132144
1 Sequence 132144, Application US/09791537
2 GENERAL INFORMATION:
3 APPLICANT: Biocomix, Inc.
4 APPLICANT: Debe, Derek
5 APPLICANT: Danzer, Joseph
6 TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMB
7 FILE REFERENCE: 261/210
8 CURRENT APPLICATION NUMBER: US/09/791,537
9 CURRENT FILING DATE: 2001-02-22
10 NUMBER OF SEQ ID NOS: 153055
11 SOFTWARE: Patent In Ver. 3.0
12 SEQ ID NO 132144
13 LENGTH: 376
14 TYPE: PRT
15 ORGANISM: Oryctolagus cuniculus
16 US-09-791-537-132144

Query Match 84.9%; Score 1796; DB 5; Length 376;
Best Local Similarity 84.1%; Pred. No. 4.3e-113;

Matches 311; Conservative 24; Mismatches 35; Indels 0; Gaps 0;

QY 1 MIFPMKQSTQORDLMTNFKLMGWTMLCCDFLAHHGTCMTYHYSEKPMNORARFCRDN 60
DB 1 MIFPMKQSTQORDLMTNFKLMGWTMLCCDFLAHHGTCMTYHYSEKPMNORARFCRDN 60
QY 61 YTDLVAIONKAEIEYLEKTLPFSSRYWIGIRKIGIWTWGTNKSJLTEAEENMGDEPN 120
DB 61 YTDLVAIONKAEIEYLEKTLPFSSRYWIGIRKIGIWTWGTNKSJLTEAEENMGDEPN 120
QY 121 NKKNKEDCVETIYIKRNKDACKMNDACHKAKALCYTASQPMSCSGHGECEVETINNHTC 180
DB 121 NKKNKEDCVETIYIKRNKDACKMNDACHKAKALCYTASQPMSCSGHGECEVETINNHTC 180
QY 181 NCDVGYGPGCQVLYOCEPLAPDLGIMNCSHPLASFSTACTPTCSGTELLIGIEET 240
DB 181 NCDVGYGPGCQVLYOCEPLAPDLGIMNCSHPLASFSTACTPTCSGTELLIGIEET 240
QY 241 CGPFGNMSPEPTCOVYIOCEPLAPDLGIMNCSHPLASFSTACTPTCSGTELLIGIEET 300
DB 241 CGPFGNMSPEPTCOVYIOCEPLAPDLGIMNCSHPLASFSTACTPTCSGTELLIGIEET 300
QY 301 TICSSSGIWSNPSPIQ 317
DB 301 TICSSSGIWSNPSPIQ 317
QY 361 GKSKRSMD 370
DB 361 GKSKRSMD 370

RESULT 17
US-09-791-537-50403
1 Sequence 50403, Application US/09791537
2 GENERAL INFORMATION:
3 APPLICANT: Biocomix, Inc.
4 APPLICANT: Debe, Derek
5 APPLICANT: Danzer, Joseph
6 TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY ME
7 FILE REFERENCE: 261/210
8 CURRENT APPLICATION NUMBER: US/09/791,537
9 CURRENT FILING DATE: 2001-02-22
10 NUMBER OF SEQ ID NOS: 153055
11 SOFTWARE: Patent In Ver. 3.0
12 SEQ ID NO 50403
13 LENGTH: 370
14 TYPE: PRT
15 ORGANISM: Bos taurus
16 US-09-791-537-50403

Query Match 79.5%; Score 1682; DB 5; Length 370;
Best Local Similarity 77.0%; Pred. No. 1.9e-105;
Matches 282; Conservative 42; Mismatches 40; Indels 2; Gaps 1;

QY 1 MIFPMKQSTQORDLMTNFKLMGWTMLCCDFLAHHGTCMTYHYSEKPMNORARFCRDN 60
DB 1 MIFPMKQSTQORDLMTNFKLMGWTMLCCDFLAHHGTCMTYHYSEKPMNORARFCRDN 60
QY 61 YTDLVAIONKAEIEYLEKTLPFSSRYWIGIRKIGIWTWGTNKSJLTEAEENMGDEPN 120
DB 61 YTDLVAIONKAEIEYLEKTLPFSSRYWIGIRKIGIWTWGTNKSJLTEAEENMGDEPN 120
QY 121 NKKNKEDCVETIYIKRNKDACKMNDACHKAKALCYTASQPMSCSGHGECEVETINNHTC 180
DB 121 NKKNKEDCVETIYIKRNKDACKMNDACHKAKALCYTASQPMSCSGHGECEVETINNHTC 180
QY 181 NCDVGYGPGCQVLYOCEPLAPDLGIMNCSHPLASFSTACTPTCSGTELLIGIEET 240
DB 181 NCDVGYGPGCQVLYOCEPLAPDLGIMNCSHPLASFSTACTPTCSGTELLIGIEET 240
QY 241 CGPFGNMSPEPTCOVYIOCEPLAPDLGIMNCSHPLASFSTACTPTCSGTELLIGIEET 300
DB 241 CGPFGNMSPEPTCOVYIOCEPLAPDLGIMNCSHPLASFSTACTPTCSGTELLIGIEET 300

[illegible]

```

RESULT 18
US-09-791-537-6693
: Sequence 6693, Application US/09791537
: GENERAL INFORMATION:
: APPLICANT: Biomolix, Inc.
: APPLICANT: Debe, Derek
: APPLICANT: Danzer, Joseph
: TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBERS
: TITLE OF INVENTION: METHODS OF USE THEREOF
: FILE REFERENCE: 261/210
: CURRENT APPLICATION NUMBER: US/09/791,537
: CURRENT FILING DATE: 2001-02-22
: NUMBER OF SEQ ID NOS: 153055
: SOFTWARE: PatentIn version 3.0
: SEQ ID NO 6693
: LENGTH: 372
: TYPE: PRT
: ORGANISM: Rattus sp
: US-09-791-537-6693

```

Query Match	78.4%;	Score 1660;	DB 5;	Length 372;
Best Local Similarity	76.9%;	Pred. No. 5.8e-104;		
Matches 286;	Conservative 35;	Mismatches 51;	Indels 0;	Gaps 0;

QY	1	MIFPMKOSOPRODLMNFKLGMWMLCCDPLAHNGTVCWYHYHSEKMMNORARRCRON	60
Db	1	MVFPMKOSQMSRQMSWFLKLMITWLLCCDLLPHHGHTCWYHTSEKMMENARFCCKEN	60
QY	61	YTDLVAIONKAEIYELEKTLPFSSHYWIGIRKIGGIWTVWGNKSLTEAEWMMGGEPR	120
Db	61	YTDLVAIONKREIYELEKTLPPKNPTYYWIGIRKIGKTIWTVWGNKTLTKAEWMMGGEPR	120
QY	121	NKKKKECCVEIYIKRNDACKMNDACHKIKALKCTTASQCPMSGSGHCEVETINNHTC	180
Db	121	NKKKKECCVEIYIKRNDACKMNDACHKRAKALCTASQCPSCNHHGCEVETINNHTC	180
QY	181	NCUDVYGGPCOLVIOCEPLAEPLGTMCDTHPGNSSFSGCAFSGSEBETNLGTLEET	240
Db	181	ICDPBGYIGPCQVYIOCEPLAEPLGTMNCIHPJGDFSPQSCAFMCSBSEBELLGNANTE	240
QY	241	CGEFGMNSDEPPTCOVYOCEPLTAPDLGIMNCSHPLASFSEFTSACTPTCSGETELGKKR	300
Db	241	CGASGNNTYLEPIQVYIQCMPLAPDLGIMESCHPLANFSEFTSACTPTCSSEETDLIGERK	300
QY	301	TICBSSGIMSNPDIQCKLDKSFSSMKIEGDYNPLFIPVAVMTAFSGLAFTIWLARLKK	360
Db	301	TYVRSSSGMSWSPSICQTKRFSFKIEKGDYNPLFIPVAVMTAFSGLAFTIWLARLKK	360
QY	361	GKKSKRSMNDPY 372	
Db	361	GKKSQERMDPY 372	

RESULT 19
US-09-791-537-81233
Sequence 81233, Application US/09791537
GENERAL INFORMATION:
APPLICANT: Biomomix, Inc.
APPLICANT: Debe, Derek
APPLICANT: Danzer, Joseph

```

: TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBERS
:
: TITLE OF INVENTION: METHODS OF USE THEREOF
:
: FILE REFERENCE: 261/210
:
: CURRENT APPLICATION NUMBER: US/09/791.537
:
: CURRENT FILING DATE: 2001-02-22
:
: NUMBER OF SEQ ID NOS: 153055
:
: SOFTWARE: PatentIn version 3.0
:
: SEQ ID NO 81233
:
: LENGTH: 372
:
: TYPE: prt
:
: ORGANISM: Rattus norvegicus
:
: US-09-791-537-81233

```

Query Match	78.1%;	Score 1653;	DB 5;	Length 372;
Best Local Similarity	76.9%;	Pred. NO. 1.7e-103;		
Matches 286;	Conservative 35;	Mismatches 51;	Indels 0;	Gaps 0;

QY	1	MIPKRCSTORDJMNIFKLGWMLCCDFJLAHHGTQWYHSEKPMNORARFCRD	60
Db	1	MYFPRKCSAORGNSNFKLWIRTLICODLLPHHGHTICWYHYSERSMNMNARKFEKH	60
QY	61	YTDVAIONKAEIEYLEKTLTFPFSRSYWIIGIRKIGGIWTVGTNKSJLTEAEENMGDEPN	120
Db	61	YTDVAIONKKEIEYLEKTLTKNPTYYWIGIRKIGKIWTVGTNKTILTKAEENMGTEPN	120
QY	121	NKKNKEDCEVEIYIKRNKDGKWNDDACHKILKAALCYTASCPMSGSHGECVEIINNHTC	180
Db	121	NKKSKEDEVEIYIKRERBSGKWNDDACHKRRKAALCYTASCPESCNRHGECVEIINNNTC	180
QY	181	NCDDGYVSPCOOLVIOCGPYLAPBLGIMDCIHPFGNSFSFSGQCAFSCSEGTNLGIEETT	240
Db	181	ICDDEYVSPQOQVYVIOCGPYLAPBLGIMNCIHPIGDFSFGSQCAFNCSESESELLGNAKTE	240
QY	241	CGPFGNMSSPEPTQVIOCEPLAPDGIIMNCSPHLASFSTSACTPICESEGTELIGKKK	300
Db	241	CGASGNMTYLEPIQVIOQCMPLAPDLGTMECHSIFLANSFSTSACTTCCEEBFDLIGERK	300
QY	301	TIGESGSIWNSPPIQCKLDSFSMAIKEGDYNPLEIFVAVMYTAFSGIAPFIWLARLKK	360
Db	301	TVCSSSGWSSPSPIQCKTRRSFSKIKEGDYNPLEIFVAVMYTAFSLAFIWLARLKK	360
QY	361	GKKSRKSMNDPY 372	
Db	361	GKKSOERNDPY 372	

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RESULT 20
US-09-791-537-53485
: Sequence 53485, Application US/09791537
: GENERAL INFORMATION:
: APPLICANT: Biomomix, Inc.
: APPLICANT: Danzer, Derek
: APPLICANT: Danzer, Joseph
: TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBERS
: TITLE OF INVENTION: METHODS OF USE THEREOF
: FILE REFERENCE: 261/210
: CURRENT APPLICATION NUMBER: US/09/791,537
: CURRENT FILING DATE: 2001-02-22
: NUMBER OF SEQ ID NOS: 153055
: SOFTWARE: PatentIn version 3.0
: SEQ ID NO 53485
: LENGTH: 323
: TYPE: PRT
: ORGANISM: Homo sapiens
: US-09-791-537-53485

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Query Match 78.1%; Score 1652; DB 5; Length 323;
 Best Local Similarity 98.3%; Pred No. 1.7e-103;
 Matches 285; Conservative 1; Mismatches 4; Indels 0; Gaps 0;
 0Y 1 MIPFKCOSTQDIDLNNIFKLMGWTMLCCDFLAHNGTYCWTYYHSEKPMQARARCRDN 60


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Db 14 MIFPMKQSTQRDLMNIFKLMGWTMLCCDFLAHHGTQWYHYSEKPMNMQRARFCNDN 73
      |||
Qy 61 YTDVAIONKAEIYLEKTLFPRSRYWIGIRKIGITWTWGTNKSLEEAENMGDGEPN 120
      |||
Db 74 YTDVAIONKAEIYLEKTLFPRSRYWIGIRKIGITWTWGTNKSLEEAENMGDGEPN 133
      |||
Qy 121 NKKKEDCEVEIYIKRNKDAGKMWNDACHKRLKAALCYTASCPWMSGSGEGVEIINNHTC 180
      |||
Db 134 NKKKEDCEVEIYIKRNKDAGKMWNDACHKRLKAALCYTASCPWMSGSGEGVEIINNHTC 193
      |||
Qy 181 NCDVGYGPQCQVYIOCEPLAPDLGIMNCSHPLASFSTSACTFICS 240
      |||
Db 194 NCDVGYGPQCQVYIOCEPLAPDLGIMNCSHPLASFSTSACTFICS 253
      |||
Qy 241 CGPFGNMSSPEPTQVIOCEPLAPDLGIMNCSHPLASFSTSACTFICS 290
      |||
Db 254 CGPFGNMSSPEPTQVIOCEPLAPDLGIMNCSHPLASFSTSACTFICS 303
      |||
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RESULT 21
US-09-791-537-37750
; Sequence 37750, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Biomimix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMB
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 37750
; LENGTH: 372
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-791-537-37750
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Query Match 78.0%; Score 1651; DB 5; Length 372;
Best Local Similarity 76.1%; Pred. No. 2.3e-103;
Matches 283; Conservative 32; Mismatches 57; Indels 0; Gaps 0;

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Qy 1 MIFPMKQSTQRDLMNIFKLMGWTMLCCDFLAHHGTQWYHYSEKPMNMQRARFCNDN 60
      |||
Db 1 MIFPMKQSTQRDLMNIFKLMGWTMLCCDFLAHHGTQWYHYSEKPMNMQRARFCNDN 60
      |||
Qy 61 YTDVAIONKAEIYLEKTLFPRSRYWIGIRKIGITWTWGTNKSLEEAENMGDGEPN 120
      |||
Db 61 YTDVAIONKAEIYLEKTLFPRSRYWIGIRKIGITWTWGTNKSLEEAENMGDGEPN 120
      |||
Qy 121 NKKKEDCEVEIYIKRNKDAGKMWNDACHKRLKAALCYTASCPWMSGSGEGVEIINNHTC 180
      |||
Db 121 NKKKEDCEVEIYIKRNKDAGKMWNDACHKRLKAALCYTASCPWMSGSGEGVEIINNHTC 180
      |||
Qy 181 NCDVGYGPQCQVYIOCEPLAPDLGIMNCSHPLASFSTSACTFICS 240
      |||
Db 181 NCDVGYGPQCQVYIOCEPLAPDLGIMNCSHPLASFSTSACTFICS 240
      |||
Qy 241 CGPFGNMSSPEPTQVIOCEPLAPDLGIMNCSHPLASFSTSACTFICS 290
      |||
Db 241 CGPFGNMSSPEPTQVIOCEPLAPDLGIMNCSHPLASFSTSACTFICS 290
      |||
Qy 301 TICSSGIMNSPPIQCKLDSFSMIKEDGYNPLFIPAVVWTAFSGLAFIIMLARLKK 360
      |||
Db 301 TICSSGIMNSPPIQCKLDSFSMIKEDGYNPLFIPAVVWTAFSGLAFIIMLARLKK 360
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Qy 361 GKSKRSMDPY 372
      |||
Db 361 GKSKRSMDPY 372
      |||
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RESULT 22
US-09-791-537-60503
; Sequence 60503, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Biomimix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY ME
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 60503
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-791-537-60503
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Query Match 75.9%; Score 1606; DB 5; Length 360;
Best Local Similarity 76.4%; Pred. No. 2.4e-100;
Matches 275; Conservative 30; Mismatches 55; Indels 0; Gaps 0;

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Qy 1 MIFPMKQSTQRDLMNIFKLMGWTMLCCDFLAHHGTQWYHYSEKPMNMQRARFCNDN 60
      |||
Db 1 MIFPMKQSTQRDLMNIFKLMGWTMLCCDFLAHHGTQWYHYSEKPMNMQRARFCNDN 60
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Qy 61 YTDVAIONKAEIYLEKTLFPRSRYWIGIRKIGITWTWGTNKSLEEAENMGDGEPN 120
      |||
Db 61 YTDVAIONKAEIYLEKTLFPRSRYWIGIRKIGITWTWGTNKSLEEAENMGDGEPN 120
      |||
Qy 121 NKKKEDCEVEIYIKRNKDAGKMWNDACHKRLKAALCYTASCPWMSGSGEGVEIINNHTC 180
      |||
Db 121 NKKKEDCEVEIYIKRNKDAGKMWNDACHKRLKAALCYTASCPWMSGSGEGVEIINNHTC 180
      |||
Qy 181 NCDVGYGPQCQVYIOCEPLAPDLGIMNCSHPLASFSTSACTFICS 240
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Db 181 NCDVGYGPQCQVYIOCEPLAPDLGIMNCSHPLASFSTSACTFICS 240
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Qy 241 CGPFGNMSSPEPTQVIOCEPLAPDLGIMNCSHPLASFSTSACTFICS 290
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Qy 301 TICSSGIMNSPPIQCKLDSFSMIKEDGYNPLFIPAVVWTAFSGLAFIIMLARLKK 360
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Db 301 TICSSGIMNSPPIQCKLDSFSMIKEDGYNPLFIPAVVWTAFSGLAFIIMLARLKK 360
      |||
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RESULT 23
US-10-212-054-1437
; Sequence 1437, Application US/10212054
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P212C1N
; CURRENT APPLICATION NUMBER: US/10/212,054
; CURRENT FILING DATE: 2002-08-06
; NUMBER OF SEQ ID NOS: 2164
; Prior application removed - See File Wrapper or Palm
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1437
; LENGTH: 184
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-212-054-1437
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Query Match 47.2%; Score 999; DB 6; Length 184;
Best Local Similarity 99.5%; Pred. No. 7.3e-60;
Matches 183; Conservative 0; Mismatches 1; Indels 0; Gaps 0;


```
Db 22 WSYNTSTEAMTYDEASAYCOQRYTHLVAIQNKEIEYLNLSISPSYWIIGIRKVNW 81
Qy 99 TWGVTNKSILTEAEANMDDGEPNNKKNKEDCCEIYIKRNKDGKNNDDACHLKAALCYTA 158
Db 82 VVVGTOQPLTEEAKNMAGPEPNNRKDKEDCCEIYIKREKDGMMNDEKSKKLALCYTA 141
Qy 159 SCQWMSGSGHCEVEIINNHTCNCVGYGQOLVIOCEPLAEPLGTMCCTHPFGNFS 218
Db 142 ACTNTESSGSGHCEVEIINNHTCKDCDPGFSGLKCEQIVNCTALLESPEHSLVCSHPNGFS 201
Qy 219 FSSQCAFSCEGNTLGTIEETTCGPFGNMSSPEPTCOVIOCEPLSAPDLGIMNCSHPLAS 278
Db 202 YNNSCISCSIDRGYLPSSMETWQMSGSGEMSAPIPCNVVECDVATNPANGVECFQNGFS 261
Qy 279 FFSFTSACTFICSEGTTELIGKKTKTCESGSIWNSPSPICQ 317
Db 262 FPMWTTCTFDCDEGFEELMAGSLQCTSSGMDNNEKPTCK 300

RESULT 39
US-10-205-823-357
; Sequence 357, Application US/10205823
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Monahan, John E.
; APPLICANT: Endege, Wilson O.
; APPLICANT: Gannavarapu, Manjula
; APPLICANT: Gorbacheva, Bella
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Kamatkar, Shubhangl
; APPLICANT: Monsey, Angela M.
; APPLICANT: Glatz, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Anderson, Dustin
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF PROSTATE CANCER
; FILE REFERENCE: MRI-044
; CURRENT APPLICATION NUMBER: US/10/205,823
; CURRENT FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 60/307,982
; PRIOR FILING DATE: 2001-07-25
; PRIOR APPLICATION NUMBER: 60/314,356
; PRIOR FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/325,020
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 60/341,746
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/362,158
; PRIOR FILING DATE: 2002-03-05
; NUMBER OF SEQ ID NOS: 455
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 357
; LENGTH: 610
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-205-823-357

Query Match 40.7%; Score 862; DB 6; Length 610;
Best Local Similarity 52.0%; Pred. No. 3,7e-50;
Matches 145; Conservative 41; Mismatches 93; Indels 0; Gaps 0;
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Db 142 ACTNTESSGSGHCEVEIINNHTCKDCDPGFSGLKCEQIVNCTALLESPEHSLVCSHPNGFS 201
Qy 219 FSSQCAFSCEGNTLGTIEETTCGPFGNMSSPEPTCOVIOCEPLSAPDLGIMNCSHPLAS 278
Db 202 YNNSCISCSIDRGYLPSSMETWQMSGSGEMSAPIPCNVVECDVATNPANGVECFQNGFS 261
Qy 279 FFSFTSACTFICSEGTTELIGKKTKTCESGSIWNSPSPICQ 317
Db 262 FPMWTTCTFDCDEGFEELMAGSLQCTSSGMDNNEKPTCK 300

RESULT 40
US-09-791-537-44925
; Sequence 44925, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Blomomix, Inc.
; APPLICANT: Danzer, Joseph
; APPLICANT: Debe, Derek
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY ME
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 44925
; LENGTH: 551
; TYPE: PRT
; ORGANISM: Oryctolagus cuniculus
US-09-791-537-44925
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Query Match 40.7%; Score 861; DB 5; Length 551;
Best Local Similarity 51.8%; Pred. No. 3.9e-50;
Matches 146; Conservative 41; Mismatches 95; Indels 0; Gaps 0;

Qy 36 TYCMTYHSEKPMQORARRCRDNYTDLVAIQNKAIELEYLTPFSRSYWIIGIRKIG 95
Db 21 TSTWTFHSAENMYDEASAYCOQRYTHLVAIQNKEIEYLNLSIDSPSYWIIGIRKVN 80
Qy 96 GIWTVGNTKSLTEAEANMDDGEPNNKKNKEDCCEIYIKRNKDGKNNDDACHLKAALC 155
Db 81 NWIIVGTHKPLTEGAKNMAGPEPNNRKDKEDCCEIYIKREKDGMMNDEKSKKLALC 140
Qy 156 YTASQCPWSCSGHCEVEIINNHTCNCVGYGQOLVIOCEPLAEPLGTMCCTHPFG 215
Db 141 YTAACTEASGSGHCEIETINNYSCKCYPGSGLKCEQIVNCTALLESPEHSLVCSHP 200
Qy 216 NFSQCAFSCEGNTLGTIEETTCGPFGNMSSPEPTCOVIOCEPLSAPDLGIMNCSHP 275
Db 201 NFSQCAFSCEGNTLGTIEETTCGPFGNMSSPEPTCOVIOCEPLSAPDLGIMNCSHP 260
Qy 276 LASFSFTSACTFICSEGTTELIGKKTKTCESGSIWNSPSPICQ 317
Db 261 QGSAAPWNTCTFDCDEGFEELMAGSLQCTSSGMDNNEKPTCK 302
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OM nucleic - nucleic search, using sw model

Run on: September 4, 2002, 08:34:27 : Search time 545.93 Seconds
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11739.974 Million cell updates/sec

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Perfect score: 2259
Sequence: 1 GAATTCACAGTGTGCTGCTT.....CCGCCAGACACTGGAATTC 2259

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 1795682 seqs, 1418593128 residues

Total number of hits satisfying chosen parameters: 3591364

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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3: /cgn2_6/ptodata/2/pna/US07_NEW_COMB.seq.*
4: /cgn2_6/ptodata/2/pna/US08_NEW_COMB.seq.*
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8: /cgn2_6/ptodata/2/pna/US60_NEW_COMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2138.8	94.7	2324	1	PCT-US02-18947-512 Sequence 512, App
2	2138.8	94.7	2324	6	US-10-035-832-1389 Sequence 1389, Ap
3	2138.8	94.7	2324	7	US-10-172-118-512 Sequence 512, App
4	2127.8	94.2	2323	1	PCT-US02-13644-15 Sequence 15, App
5	2127.8	94.2	2323	7	US-10-136-819-15 Sequence 15, App
6	1117.2	49.5	1213	6	US-10-212-054-684 Sequence 684, App
7	1107.8	49.0	1119	6	US-10-035-832-1390 Sequence 1390, Ap
8	1035	45.8	1298	6	US-10-211-364-518 Sequence 518, App
9	1035	45.8	1298	6	US-10-212-054-575 Sequence 575, App
10	1035	45.8	1298	6	US-10-212-778-424 Sequence 424, App
11	968.6	42.9	40955	6	US-10-035-832-1388 Sequence 1388, Ap
12	856.8	37.9	2199	6	US-10-035-832-1386 Sequence 1386, Ap
13	775	34.3	1063	6	US-10-212-778-373 Sequence 373, App
14	757.4	33.5	1119	6	US-10-035-832-1387 Sequence 1387, Ap
15	562.2	24.9	579	7	US-10-040-862-210 Sequence 210, App
16	562.2	24.9	579	7	US-10-040-862-4884 Sequence 4884, App
17	549.2	24.3	577	7	US-10-040-862-5257 Sequence 5257, Ap
18	494.2	21.9	512	7	US-10-040-862-8471 Sequence 8471, Ap
19	350.8	15.5	358	7	US-10-040-862-8405 Sequence 8405, Ap
20	332	14.7	359	7	US-10-040-862-6660 Sequence 6660, Ap
21	310	13.7	3834	1	PCT-US02-18947-488 Sequence 488, App
22	310	13.7	3834	1	PCT-US02-23913-356 Sequence 356, App
23	310	13.7	3834	6	US-10-205-823-356 Sequence 356, App
24	310	13.7	3834	7	US-10-007-926A-261 Sequence 261, App
25	310	13.7	3834	7	US-10-172-118-488 Sequence 488, App

26	310	13.7	3856	5	US-09-053-375B-467 Sequence 467, App
27	310	13.7	3856	5	US-09-442-384B-633 Sequence 633, App
28	295.6	13.1	326	7	US-10-040-862-2625 Sequence 2625, Ap
29	294.8	13.1	3142	5	US-09-442-384B-631 Sequence 631, App
30	289.2	12.8	35658	6	US-10-035-832-1385 Sequence 1385, Ap
31	269.2	11.9	274	5	US-09-442-366A-1202 Sequence 1202, Ap
32	268.2	11.9	273	5	US-09-442-384B-210 Sequence 210, App
33	250.6	11.1	438	5	US-09-918-995-20021 Sequence 20021, A
34	235.2	10.4	869	7	US-10-143-788-456 Sequence 456, App
35	233.8	10.3	267	7	US-10-040-862-6345 Sequence 6345, Ap
36	199	8.8	204	7	US-10-040-862-6676 Sequence 6676, App
37	186.6	8.3	267	5	US-09-454-226A-357 Sequence 357, App
38	167.8	7.4	193	7	US-10-040-862-6456 Sequence 6456, Ap
39	143.2	6.3	642	7	US-10-027-632-82205 Sequence 82205, A
40	143.2	6.3	648	7	US-10-027-632-38354 Sequence 38354, A
41	142.6	6.3	637	7	US-10-027-632-298006 Sequence 298006, A
42	131.2	5.8	572	7	US-10-027-632-189800 Sequence 189800, A
43	131.2	5.8	572	7	US-10-027-632-189801 Sequence 189801, A
44	131.2	5.8	572	7	US-10-027-632-189802 Sequence 189802, A
45	124.8	5.5	232	5	US-09-454-226A-356 Sequence 356, App

ALIGNMENTS

RESULT 1
PCT-US02-18947-512
Sequence 512, Application PC/TUS0218947
GENERAL INFORMATION:
APPLICANT: Rosetta Inpharmatics
TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
FILE REFERENCE: 9301-175-228
CURRENT APPLICATION NUMBER: PCT/US02/18947
CURRENT FILING DATE: 2002-06-14
PRIOR APPLICATION NUMBER: 60/380,770
PRIOR FILING DATE: 2002-05-14
NUMBER OF SEQ ID NOS: 2699
SEQ ID NO 512
LENGTH: 2324
TYPE: DNA
ORGANISM: Homo sapiens
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: NM_000655
DATABASE ENTRY DATE: 2001-06-18
PCT-US02-18947-512

Query Match	94.7%	Score 2138.8	DB 1	Length 2324
Best Local Similarity	99.3%	Pred. No. 0		
Matches 2179	Conservative 0	Mismatches 12	Indels 3	Gaps 3
OY 44	CCCTTGGCAGAGACCTGAGACCCCTTGTCTAAGTCAAGAGCTCAATGGCTGCAGAG	103		
Db 4	cccttggcagagaccccttgctctaaagagagcctcaatggcctcagaag	63		
OY 104	AACATGAGAGGACCAAGCAAGCAAGATGATTCATGGAATGTCAGACCCAG	163		
Db 64	aacatgagagggacaaagcaagcagatccatcctcgaagagcagccagag	123		
OY 164	GCATTTGCAACATCTTCAAGTTGTGGGGTGAGCAATCTCTGTGATTTCTCGC	223		
Db 124	ggactatgaaacatctcctcaagtggtgggtgagacaatctctgtgtatctccgagc	183		
OY 224	ACATCATGAGACCTGCTGCTGAGCTTACATTTATTTGAAAACCCATGAGTCGCAAG	283		
Db 184	acatcatgagacccgacgcctgactaccattatctcgaaaaaccatgaaactgcaag	243		
OY 284	GGCTAGAGATTTCTGCGGAGACATTTACAGATTTAGTTGCTTCAAAAAGAGGGA	343		
Db 244	ggcctagaagatctcgcgagacacatcagatgctgtgcatlaaaacagagcgga	303		
OY 344	AATGATATCTGAGAGACTGCTGCTGAGTCTTACTACTGATGAGATCCG	403		
Db 344	aatgatatctgagagactgcttgcctgagcttactactgactgagatccg	403		

Db 304 aattgagatctgaggagaactctgccttcaagtcgttcttactactggaatggaatccg 363
Qy 404 GAAGATAGAGAGAAATATGACGTGGTGGGAACCAAAATCTCTCAGTGAAGACAG 463
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Db 364 gaagatagagaagaataatgagacgtggtgaggaaacaaatctcttactagaagaacaga 423
Qy 464 GAACTGGGAGATGCTGAGCCCAACAAGAAAGAAAGAGAGACTGCGTGGAGATCTA 523
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Db 424 gaactgggagatgctgagcccaacaagaagaagaagactcgtgtgaagtctta 483
Qy 524 TATCAAGAAACAAAGATGAGCGCAAAATGGAAGATGACCGCTGGCCACAATAAGGC 583
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Db 484 tatcaagaaacaagaatgacaggaatggaacgaatgaacgctgcacaacaaatlaaaggc 543
Qy 584 AACCCCTCTTACACAGCTTCTTGGCAGCCCTGGTATGATCAGTGGGCATGAGACATGTG 643
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Db 544 agccctctgttacaacagctcttgcacgcccgtgtcatgacgtgagcaatggaatggtt 603
Qy 644 AGAATATCAATATATCACACCTGCACCTGTGATGTGGGTACTATGGGCCCAAGTGTCA 703
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Db 604 agaaatcatcaataatatacaacctgcaactgtatgtgggtactatgggccccagtgta 663
Qy 704 GCTTGATATTCAGTGTGAGCCCTTTGAGAGCCCAAGAGCTGGGTACCATGAGACTGTACTCA 763
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Db 664 gttctgtagctacgtgtgagcccttggaggccccagagctgggtacacatgagactgtactca 723
Qy 764 CCCCTTTGGAAACTTCAGCTTCAGCTGCACAGTGTGCTTCACCTGCTCTGAAGAACAA 823
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Db 724 ccccttgggaacttcagcttcagctcacagtggtgcttcacgtcgtctcgaaggaaacaa 783
Qy 824 CTTAACTGGGATTTGAAGAACCACTGTGACCATTTTGGAACTGGTCAATCTCCAGACC 883
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Db 784 cttaactgtgatttgaagaaacacactgtgacatttggaaactgttaccctccagaac 843
Qy 884 AACCTGTCAAGTGTGATGAGCCCTGTATCAGACACAGATTTGGGGATCATATGACAG 943
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Db 844 aacctgtcaagtgatctcagtgtagccctctacagacacagatctggggatcatgaaactg 903
Qy 944 TAGCCATCCCTGGCCAGCTTCAGCTTACCTGTGATGTACCTTCATCTGCTCAGAAAG 1003
904 tagcatccctctgagccagcttcagcttaccctctgcatgttaccttcatctgtctcgaagg 963
Qy 1004 AACTGATTTAATTTGGGAGAGAAACCAATTTGTGATATCTGGAATGTGTCAAATCC 1063
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Db 964 aactgagttaatttgggaagaaacacactgtgaaatcatctggaatctgtgtcaatcc 1023
Qy 1064 TAGTCAATATGTCAAAAATTTGACAAAAGTTTCAATGATTAAAGGAGGATTTATA 1123
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Db 1024 tagtcaataatgtcaaaaacttggacaaaagttcttcaatgactaaggaaggatlaataa 1083
Qy 1124 CCCCTCTTCATTCACAGTGGCAGTATGATGATTCATTCCTCTGGTTGGCATTTATCAT 1183
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Db 1084 cccctcttcatctccagtgagtgatgttacttgcattctctgtgttgacattatcat 1143
Qy 1184 TTGGCTGGCAGAGAGATTTAAAAAGCAAGAAATCCAGAGAAATATGATGACCCATA 1243
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Db 1144 ttgcttggcaagagatlaaaaaagacaaagaaatccaaagaaatlatgaatgacacata 1203
Qy 1244 TTAATTCGCCCTTGGTGAAGAAGAAATTCCTTGAATACTAAAAATCATGATGATCTTTAA 1303
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Db 1204 ttaatctgcctctgttgaagaanaactcttgaataactaanaatcatgagacccctttaa 1263
Qy 1304 TCCCTTCATGAAGCTTTTGTGTGTGGTGCACCTCTCAGTCAACATGATGAAGTGTG -TTCC 1362
1264 tcccttccatgaagcgtttgtgtgtggcacctctctacgtcaaaatgaagtggtttcc 1323
Qy 1363 TTCACTGATCTGGGAAATTTCTACCCGACACAAGTTCTTCAGCTTCCATTTTCGCCCC 1422
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Db 1324 ttcaagtcatctgggaaagattcttaccacacacagttctctcagcttccatcttcgccc 1383
Qy 1423 CTCATTTATCCCTCAACCCCGACCCACAGGTTTATATACAGCTCAGCTTTTGTGCTTT 1482
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Db 1384 ctcaatttaccctcaacccccccagccacagtggttatacagctcagcgttttgtcttct 1443

Qy 1483 CTGAGGAGAAACAAATTAAGACCAT-AAAGGAAAGATTTCATGTGGAATATAAGATGGCT 1541
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Db 1444 ctgagagagaacaacaataaagaccataaaggaagaaatcatatgttgaataataaagttgct 1503
Qy 1542 GACTTTCCTCTTCTTCTGACTCTTGTGTTTCAGTTTCAATTCAGTGTGATTTGATGACAG 1601
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Db 1504 gacttgcctcttcttgactcttgttcttcaagtttcaatcagtgctgtactgtatgacag 1563
Qy 1602 ACACCTCTAATGAAGTGCAGAAATTTGATCATATGTGAAATATGACATCAGTTTCTTGA 1661
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Db 1564 acaactctaaatgaaatgtaaaatgtatacatatgtgaatgactaagtttctgtca 1623
Qy 1662 GATCAAAATTTACAGTCGCTTCTGTATCTGATGAGAGTACACTCTTATAGAAAGTTCAAA 1721
1624 gatcaaatctacgctcgtcttctgtatctatctgtgagggtaacactctatagaagaattcaaa 1683
Db 1722 AAGTCTACGCTCTCTTCTTCTTCTTAACCTCAGTGAAGTAATGGGGTCTGCTCAAGTTGA 1781
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Qy 1782 AAGAGTCCATTTTGACATGTATACCTCGCCGCTGTGGAATTGACATCTTATTAAGTGG 1841
1744 aagagctccatcttgacatgtagcctgcgctctgtgaaatggaacatcttactga 1803
Qy 1842 CTTTCAGGCGTCCCACTTCCTTCACAGCCACCTCTTTTTCAGTTGGTGGACTTCCACACC 1901
1804 ctcca-gctccccaacctctctcagcaacactctcttcttcaagttgagctgaactccaacc 1862
Db 1902 TAGCATCTCATGATGTCACAGCAAGCAAGAAAGAGAGAGAGAAATTAAGCTCGCGGTTTTTT 1961
1863 tagcatctcatgtagtgcacaaagaaagaaagaaagaaatgacgcgcgtcttctt 1922
Qy 1962 AGTTGGGGGTTTGTCTGTTTCTTTATGAGACCATTCATTTCTTATAGTCAATGCT 2021
1923 agttgggggttctgtgtcttcttcttcttcttcttcttcttcttcttcttcttcttctt 1982
Db 2022 TTTCTTTATCAGATATTTATTAAGAAACATCCTGAATGCTAGCTCAAGTGACA 2081
1983 tctcttcttcaagatattatagtaagaanaacatcaactgaagtctagctgcaagtgaca 2042
Qy 2082 TCTCTTTATGATGATATGGAAGAGATTTAAACAGGTGGAGAAATCTTGATTCACATGA 2141
2043 tctcttcttcatatgataatgaaagatlaaaacagtggaatcttctgtatccaatga 2102
Qy 2142 AATGCTCTCTTCCCTCGCCCGCCGAGAACTTTATCCACTTACCTAGATTTACATATTC 2201
2103 aatgctctcttcttccctcgcccgccagaccttcttaccacttaccatcctagatctacatactc 2162
Db 2202 TTTAAATTTCACTCAGGCTCCCTCAACCCAC 2235
2163 tttaaattcatctcagcctccctccacacccac 2196

RESULT 2
US-10-035-832-1389
; Sequence 1389, Application US/10035832
; GENERAL INFORMATION:
; APPLICANT: Morris, David
; APPLICANT: Engelhard, Eric
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: A-71249/RMS/DCF
; CURRENT APPLICATION NUMBER: US/10/035, 832
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 1613
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1389
; LENGTH: 2324
; TYPE: DNA

ORGANISM: Homo sapiens
US-10-035-832-1389

Query Match 94.7%; Score 2138.8; DB 6; Length 2324;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 2179; Conservative 0; Mismatches 12; Indels 3; Gaps 3;

QY 44 CCCCTTGGCAAGGACCGTACACCTTGCTGCTAAGTCAAGGCGCATGTGGCTGCACAAG 103
DB 4 ccttctggcaaggaccgagaccctctgcttaagtcagaagcgctcaatggctgcaagaag 63
QY 104 AACTAGAGAAGCAAGCAAGCAAGCATGATTTTCCATGGAATGTAGACACCAGAG 163
DB 64 aactagagaagagcaagcaagcaatgatatctccatggaatgtaagagcacccagag 123
QY 164 GGACTTATGGAACATCTTCAAGTTGTGGGTGAGACATGCTCTGTTGTGATTTCTGGC 223
DB 124 ggaactatggaacatcttcaagtctggtgggtggaacaatgctctgtctgattccctg 183
QY 224 ACATCATGGAACGCTACGCTGGACCTTACATTTATTTGAAAAACCATGAACTGGCAAG 283
DB 184 acatcatggaacgctacgctggaccttaccatctacccaatgaaacccaatgagcaag 243
QY 284 GGCTAGAGATTTCTGCCGAGACAATTTACAGATTTAGTTGCCATACAAAAACAAGCGGA 343
DB 244 ggctagagatctctgcggagacaattacagatttagttgcctatacaaaaagaagcgga 303
QY 344 AATTGAGTATCTGAGAGAACTCTGCCCTTACGTCTTCTTACTGATGAGAAATCGG 403
DB 304 aattgagatctctgagagaaactctgccttcaagtcgtcttactactggaatgaaatcg 363
QY 404 GAAGATGGAAGGAATATGACGCTGGTGGGAGAACCAAAATCTCTCACTGAAGAAGAGA 463
DB 364 gaagataaggagaaatataggagctgggtgggaaccacaatctctctctgaagaagaga 423
QY 464 GAACCTGGGAGATGCTGAGCCCAACAAGAAAGAAACAAGAGAGAGCTGTGAGATCTA 523
DB 424 gaacctgggagatgctgtagcggccaaacaagaagaagaagagactcggtggaagactta 483
QY 524 TATCAGAGAGAAACAAGATSCAGGCAAAATGAAAGATGACGCTGCCAACAATGAAAGGC 583
DB 484 tatcaagagaacaagaatgcaagcaaatgaaacgatacgccgcgcaacaatacaaaagc 543
QY 584 AGCCCTGTGTACACACCTCTTGCGCAGCCCTGCTATGAGTGGCCATGGAAGAAATGTG 643
DB 544 agccctgtgtacacacctcttgccgagccctggctcaatgagtggaagaaatgtgt 603
QY 644 AGAATCATCAATATATCACACTGTCAACTGTGATGTGGGTACTATGAGGCCCGCAGTGCA 703
DB 604 agaatacatcaatataatataccctgcaactgtgatagtgggtactatagggcccaagtca 663
QY 704 GCTTGTGATTCAGTGTGAGGCTTTGGAGGCCCAAGAGCTGGTATCCATGGAATGTCTCA 763
DB 664 gcttgtgatctcagtgtagcctctggagggcccaagactggtataccaatgaaactgta 723
QY 764 CCCCTTGGAAACTGCTGACGCTCACAGTGTGCTTACAGTGGCTGTGAAGAAACAA 823
DB 724 ccccttggaaactgctgacgcttcaagctgagcttgcctcagctgcgcgaaagaaaca 783
QY 824 CTTAACCTGGGATTTGAAGAAACAACCTGTGAGACATTTGGAAGATGTCACTCCAGAAC 883
DB 784 cttaacctgggattgaagaaacaacactgtgagacaattggaaactgtaactccagaaac 843
QY 884 AACCTGTCAAGTATTCAGTGTGAGGCTGTATCAGACACAGATTTGGGGATCATGAACCTG 943
DB 844 aaacctgtcaagtgatcagtgtagcctctatacagcacccagattggggaatcatgaactg 903
QY 944 TACGCAATCCGCTGGCCGCTTCAGCTTACCTGCACTGATACCTGATCTGCTCAGAGAG 1003
DB 904 tagcacaatcccgctggccgcttcaagcttaccctcgaatgtaacctcctcgcgtcaagaag 963
QY 1004 AACTGAGTTAATTGGGAAGAAACAATTTGTGATCATCTGGAATCTGCTCAATGCC 1063

DB 964 aactgagttaatctgggaagaagaataaccattctggaatcattctggaatctgtaaatcc 1023
QY 1064 TAGTCCAATATGTCAAAAATTTGACAAAAGTTTCTCAATGATTTAAGAGGCTGATTTTAA 1123
DB 1024 tagtccaatattgtaaaaaatggaacaaagtcttctcaatgatttaagaaggtgattataa 1083
QY 1124 CCCCCCTTCATATCCAGGGGAGTCATGGTTACTGCAATTCCTGCGGTGGCATTTATCAT 1183
DB 1084 ccccccttcaatctcagtggaagtcagtgtaactgcgaatccctggtctggaattacatc 1143
QY 1184 TTGGCTGGCAAGGAGATTTAAAAAAGCAAGAAATCCAAAGAGATTTGAATGACCATTA 1243
DB 1144 ttggtctggcaaggagatataaaaaaggcaagaataccaagaagaagtatgaaatgccccata 1203
QY 1244 TTTAATGCGCCCTTGCTGTAAGAAAATTTCTTGGAATTAATAATCATGAGATCTTTTAA 1303
DB 1204 ttaaatgcccccttggtgaaagaataatctcttgaaatactataaaaaatcatgagaatcccttaaa 1263
QY 1304 TCCCTTCATGAAGAGTTTGTGTGTGGACCTCTACGTCAACATGAGAGTGAG-TTCC 1362
DB 1264 tcccttcaatgaagagtttgtgtgtggacctctacgtcaaacatgagaagtgagttcc 1323
QY 1363 TTCAATGATCTGGGAAGATTTCTACCCGACCAACAGTTCCTTCAGCTTCATTTCCGCC 1422
DB 1324 ttcagtgatcttggaagatcttcaaccctgacaacagttcccttcaagcttccatctgcgc 1383
QY 1423 CTCATTTATCCCTACACCCCGACCCAGAGTGTTTATACAGTCACTGATTTTCTTTT 1482
DB 1384 ctcatattacccctcaacccccagcccaagtgcttataagcctcagaacttcttctctt 1443
QY 1483 CTGAGGAAGAAACAATTAAGCCAT-AAGGGAAGAGATTCATGTGGAAATTAAGATGGCT 1541
DB 1444 ctgaggaagaacaataaagaccaaaagggaaagatctcagtggaatacaaaatgagct 1503
QY 1542 GACTTGTGCTTTCTTGTACCTTGTGTTTCAATTTCAATTTAGTGTGATGATGACAG 1601
DB 1504 gacttgtgcttcttcttgacactgttctcagtttcaatctcaatgagctgtaactgagcag 1563
QY 1602 ACACCTTTAATGATGACAAATTTGATPACATATGTGAATATGACATCACTTTTCTTGA 1661
DB 1564 acactttaaattgaagtgcaaatctgatacataatgataatgaaatcccaatcttcttgcga 1623
QY 1662 GATCAAAATTCAGCTGCTCTGTGTATACGTGGAAGGTACACCTTATPAGAAAGTTCAA 1721
DB 1624 gatcaaaattcagctgctctgtgtatacgtggaggtacacctctctacagaatctcaaa 1683
QY 1722 AAGTCTAGGCTCTCTCTTCTTCTTCACTCAAGTGAATATGGGCTCGCTCAAGTTGA 1781
DB 1684 aagctctagcctctctcttcttcttaactccagtgaaatgaatgggtctcgtcgaagtga 1743
QY 1782 AAGAGTCTTATTTGACATGTAAGCTCGCGCTGTGTGAATTTGAGACATCTTATTAACCTG 1841
DB 1744 aagagtcctattctgcaatctgagccctgcgtctgtgaattggaacacccatattaaactg 1803
QY 1842 CTTGAGGCTGCCACCTTCTTGTGAGCACACCTCTTTTGTAGTTGGTGACTTCCACACG 1901
DB 1804 cttea-gcctccccaaccttctcagccaacccctctcttcaagtctgagctctccacaac 1862
QY 1902 TAGCATCTCATGATGTCGAAGCAAAAGAGAGAGAAGAAATAGCTTGGCGGTTTTTTT 1961
DB 1863 tagcatctcatgagtgccaagcaaaagagagaagaagaatagagctcgctgtcttctt 1922
QY 1962 AGTTTGGGGTTTTTGTCTGTTTCTTTTATGAGACCCATTCCTATTTTATAGCAATGT 2021
DB 1923 agtttggggcttctgctgttcccttcttaagagcccaatccctattcttaagcaatgt 1982
QY 2022 TTTCTTTATCAGATATATTATTAAGAAACAATCACTGAATGTCTGCTGCAAGTGACA 2081
DB 1983 tctcttatacagatattatagtaagaacaacatcactgaaatgctagcgcaagtgaca 2042
QY 2082 TCTCTTTGATGTATATGAGAAGATTTAAACAGGTGAGAAATTCCTTGTATTCATATGA 2141
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Db 2043 tctcttgatgcatatggaagattaaacagctgagagaattccttgatccaatga 2102
QY 2142 AATGCTCTCTTCCCTGCGCCAGAGACTTTATCCACTTACTTACATTTCTACATTTTC 2201
Db 2103 aatgctctctctccctgccccagaccccttaccacttaccacttaccataatc 2162
QY 2202 TTTAAATTTTCATCTCAGGCTCCCTCCCAACCCGAC 2235
Db 2163 tttaatttcatctcagcctccctcaacccac 2196

RESULT 3
US-10-172-118-512
; Sequence 512, Application US/10172118
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: He, Yudong
; APPLICANT: Linsley, Peter
; APPLICANT: Mao, Mao
; APPLICANT: Roberts, Chris
; APPLICANT: Van 't Veer, Laura
; APPLICANT: Bernards, Rene
; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
; FILE REFERENCE: 9301-175-999
; CURRENT APPLICATION NUMBER: US/10/172,118
; PRIOR FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 60/380,770
; NUMBER OF SEQ ID NOS: 2699
; SEQ ID NO 512
; LENGTH: 2324
; TYPE: DNA
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: NM_000655
; DATABASE ENTRY DATE: 2001-06-18
US-10-172-118-512

Query Match 94.7%; Score 2138.8; DB 7; Length 2324;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 2179; Conservative 0; Mismatches 12; Indels 3; Gaps 3;

QY 44 CCTTTGGCAAGAGACTGAGACCTTTGCTGAAGTCAGAGGCTCAATGGCTGAGAG 103
Db 4 cctttggcaagagactgagacctttgctgaagtcagagggctcaatggctgagag 63
QY 104 AACTGAGAGAGAGACCAAGCAAGCCATGATATTTCCATGGAATGTCCAGAGCACCCAG 163
Db 64 aactgagagagagaccagcaagccatgatatcttcattcagaaatgtcagagcacccag 123
QY 164 GGACTTATGGAACATCTTCAACTTGTGGGGTGGACAAATGCTGTGTGATTTCTGGC 223
Db 124 ggaacttatggaaacatcttcaacttgtgggggtggacaatgctgtgtgattcttgc 183
QY 224 ACATCATGGAACCTACTGCTGACTTACCATTTCTGAAAAACCATGAACCTGCAAG 283
Db 184 acatcatggaaacctactgctgacttaccattatctgaaaaaccatgaaactgcaag 243
QY 284 GGCTGGAAGATTCTCCGAGACATTTACACAGATTAGTGGCATACAAAACAGGCGGA 343
Db 244 ggcctggaaattctccgagacaattacacagattagtcgcatacaaaaagcgga 303
QY 344 AATTGATATCTGGAGAGACTCTGCCCTCAGTGTCTTACTACTGTGATAGGAATCGG 403
Db 304 aattgatattctggagagactctgccctcagtgcttcttactactgataagatcgg 363
QY 404 GAAGATAGAGGAATATGAGAGCTGGGTGGGAACCAAAATCTCTCACTGAAGAAGCAGA 463
Db 364 gaagatagaggaatattgagagctgggtgggaaccacaatactcttactgaaagagcga 423
QY 464 GAATGGGGAGATGTGTGAGCCACACAGAAGAAGAGAGAGACTGCTGTGAGATCTA 523

Db 424 gaactgggagatggtgagcccaacaagaagaacagagagagctggtgagatcta 483
QY 524 TATCAAGAGAAACAAAGATGACAGCAATGAAAGATGACGCGCTCCACAAACTAAAGGC 583
Db 484 tatcaagagaacaagaatgacagagcaatggaagctgagcgtccacaaactaaagc 543
QY 584 AGCCCTCTTTACACAGCTTTCTGGCAGCCCTGGTCATGCAATGGCCATGGAGAAATGTGT 643
Db 544 agccctctgtacaacagctcttgcagccctgctcatgagtgagccatggaatgtgt 603
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Db 664 gtttggattcagtgtagcctttggagggccccagagctgggttacatgagctgtactca 723
QY 764 CCCCTTTGGAACCTTCAGCTTCAGCTCACAGTGTGCTTCAGCTGCTGTGAAGAACAA 823
Db 724 ccccttggaaacttcagcttcagctcacagtgcttcagctgtcttgaagaaacaa 783
QY 824 CTTAACCTGGGATTGAAAGAAACACCTGTGAGACATTTGGAACCTGTGATCTCCAGAAC 883
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QY 944 TGGCATCCCTGGCGACCTTCAGCTTACCTGTCATGTCATCTCACTGCTCAGAAAG 1003
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QY 1004 AACTGAGTTAATTGGGAAGAGAAACCAATTTGTAATCATCTGGAATCTGTCAAAATCC 1063
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Db 1144 ttggctgcaagagatttaaaaaaggaagaatccaaggaagtatgattgaccata 1203
QY 1244 TTTAAATGCCCTTGTGCAAAAATAATTTTGAATTAATAAATCATGAGATCCTTTAAA 1303
Db 1204 ttaaatgcctctgttgaagaataattcttgaatactaaatacatgagatccctttaa 1263
QY 1304 TCCCTTCATGAAGGTTTGTGTGTGGCACCTCCTCGTAAACATGAAGTGTG-TTCC 1362
Db 1264 tcccttcatagaagtttltgtgtgtgacccctccatgcttaacaagaagtggttcc 1323
QY 1363 TTCAGTGATCTGGGAGAGATTTCACCGAACACAGTTCCTTGAGCTTCATTTGCGCC 1422
Db 1324 ttcaagtcatctgggaagatttctacctgaccaaagttcccttcagttccatttgc 1383
QY 1423 CTCATTTATCCCTCAACCCCGAGCCACAGGTGTTTATACAGCTCAGCTTTTGTCTTT 1482
Db 1384 ctcatltaaccctcaaccccgagcccaagtggttataagctcagcgttcttgtctt 1443
QY 1483 CTGAGGAGAAACAATAAAGACCAT-AAAGGAAAGATTCATGNGGATATAAAGATGCT 1541
Db 1444 ctgagggagaaacaataagaccataaagggaagattcctgtggaataaaagatggct 1503
QY 1542 GACTTTGCTCTTTCTTCACTCTTGTGTTTCAATTCAGTGTGCTACTGATGACAG 1601

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Db 1504 gacttgcctcttcttgactctctgttctcaagtttcaattcagtgctgactatgacag 1563
Qy 1602 ACACCTTCAATGAAGTCAATTTGATACATATGTAATGAGCTCAGTTTCTTGCA 1661
Db 1504 acaacttcaaatgaaagtgcaaatcttgacacataatgaaatcagactcctctctgca 1623
Qy 1662 GATCAAAATTTGACGTCGTCCTGTATATCTGTAGAGTACACTCTTATATAGAAAGTTCAA 1721
Db 1624 gatcaaatctcagctgcctctctgtatactctgtagagtgaaactctctataagaagtcaaa 1683
Qy 1722 AAGCTTACGCTCTCTTTCTTTCTTACCTCAGTGAAGTAATGGGGTCTCTGCTCAAGTTGA 1781
Db 1684 aagcttaagctctctctcttcttcttaactccagtgaaataggggtccctgcctcaagttga 1743
Qy 1782 AAGAGTCTATTTGACATGTAGCCGCGCGTGTGATTTGAGACCATCTTATTTAACTGG 1841
Db 1744 aagagttccatctgcaacgtatgcccgcgtctggaattggaaccaatcttaactgga 1803
Qy 1842 CTTGAGGCTCCCAACCTTCTTTCAGCCACCTCTCTTTTTCAGTTTGGCTGACCTCCACACC 1901
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Qy 1902 TAGCATCTCATAGAGTCCCAAGCAAAAGAGAGAGAGAAATAGCCCTGCGCGTTTCTT 1961
Db 1863 tagaatctcaatgagtgccaagcaaaagagaagaagaagaatagccctgcgtcttctt 1922
Qy 1962 AGTTTGGGGTTCCTTCCTTTCCTTTTATGAGACCCATCTCTATTTCTTATATGTCATGCT 2021
Db 1923 agcttgggggtctctgcttcttcttcttcttcttcttcttcttcttcttcttcttctt 1982
Qy 2022 TTTCTTTTATCAGATATTTATTTAGTAAAGAAACATCACTAGTAAGTCTAGCTGCAAGTGA 2081
Db 1983 tctcttctacacgatatataatagtaagaagaacaacacgaaatgctgctgaagtga 2042
Qy 2082 TCTCTTTGATGTCAATGGAAGAGTTAAACAGGTGAGAAATTCCTTGATTCACATGA 2141
Db 2043 tctcttctgattgcatatgaaagagttaaacaggtgagaatcttctgattctcaaatga 2102
Qy 2142 AATGCTGCTCCCTTTCCTTCGCGCCCGCAAGACTTTTATCCACTTACCTAGTATTTACATATTC 2201
Db 2103 aatgctcctccttccctccgcccgaagaccttctacacatcttaacatgattcttaacatctc 2162
Qy 2202 TTTAAATTTTCATCTCAGGCTCTCCCTCAACCCAC 2235
Db 2163 tttaaatctcatctcagagcctccctcaacccac 2196

RESULT 4
PCT-US02-13644-15
; Sequence 15, Application PC/TUS0213644
; GENERAL INFORMATION:
; APPLICANT: Chien, Kenneth
; APPLICANT: Hoshijima, Masahiko
; TITLE OF INVENTION: Non-viral vesicle vector for cardiac specific gene delivery
; FILE REFERENCE: 6627-P-11198
; CURRENT APPLICATION NUMBER: PCT/US02/13644
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: 60/287,423
; PRIOR FILING DATE: 2001-04-30
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 15
; LENGTH: 2323
; TYPE: DNA
; ORGANISM: Homo sapiens
PCT-US02-13644-15
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Query Match 94.2% Score 2127.8; DB 1; Length 2323;
Best Local Similarity 99.3% Pred. No. 0;
Matches 2179; Conservative 0; Mismatches 12; Indels 4; Gaps 4;
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Qy 44 CCCTTTGCAAGACCTGAGACCTTGTGTAAGTCAAGAGGCTCAATGGGCTGAGAAAG 103
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Db 4 cctttgggcaagagactcagagacctctgtcataagtcgaaggctcaatagggtctgaagaag 63
Qy 104 AACTGAGAGAGACCAAGCAAAAGCCATGATATTTCCATGGAATAATGTCAGAGCACCAGAG 163
Db 64 aactagagaagagcaaacgaagccatgatatcttccatgaaatgtcagagacccagaag 123
Qy 164 GGACTTATGGAACATCTTCAAGTTGTGGGGGAGCAATGCTCTGTGATTTCTGCGC 223
Db 124 ggaacttaagaaacatctcaagtcgtgagggtggaacaatgacctgctgtgattcttcggc 183
Qy 224 ACATCATGGAACCTTACTGCTGACTTACCATTATTTCTGAAAAAACCAATGAAGTGGCAAG 283
Db 184 acatcatggaacccgactctggaactctacatattctctgaaaaaccatgaacttgcagaag 243
Qy 284 GGCTTGAAGATTTCTGCCAGACATTTACACAGATTTTACTGGCATACAAAACAGCGCA 343
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Qy 344 AATTGATATCTGGAAGAGACTCTGCCCTTCAAGTGTCTTATCTGATATGATGAATCG 403
Db 304 aattgagatctcggagaagactctgaccttcaagtcgtcttcttcttcttcttcttcttct 363
Qy 404 GAAGATTAGAGAGATATGAGCTGGGTGGGAACCAAAATCTCTACCTGAAGAGACAGA 463
Db 364 gaaagataagagaataatggaagtggttggaacaaacaaatctctcaactgaaagaagcga 423
Qy 464 GAACTGGGAGATGCTGAGCCCAACACAGAGAAAGACAGAGACTGCTGAGACTGA 523
Db 424 gaactgggagatctgttgagcccaacaagaagaagaagagagactcgctgagagatcta 483
Qy 524 TATCAAGAGAAACAAAGATGCAAGCAATGGAACCATATACGCTTCCCAAACTTAAAGC 583
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Qy 584 AGCCCTGTTTACACAGCTTCTTGCCACCCCTGATGATGAGTGGCAATGAGATGTGT 643
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Qy 644 AGAAATCATCAATAATCAACACCTGCACTGTGATGTGGGATCTATGAGCCCACTGCA 703
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Qy 1004 AACTGAGTTAATTTGGGAAGAAAGCAATTTGTGAATCATCTGGAATCTGTGCAATTC 1063
Db 964 aactgagtttaatttgggaagaaagaaacatttgaatcacttgaatctgtgtaaatcc 1023
Qy 1064 TAGTCCATATGTCAAAATTTGACAAAGTTTCTCATATGATTAAGAGGGGTGATTAATA 1123
Db 1024 tagtccaatatgtaaaaatgtgaaacaaagttctccaatgattaaagaggtgtatataa 1083
Qy 1124 CCCCTCTTCAATTCAGAGGAGTCAATGTTGATGCAATTCCTGGGTTGGCAATTATCAT 1183
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Db	1084	cccccttccattccagctggcagtcatacgttactgcattctctcgtgttgccattatcat	1143
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Db	1144	tttgccttgcaagagatataaaaaaagccaagaaatccaagagaagtatgaatgccccata	1203
QY	1244	TTAAATGCGCCCTTGCTGAAGAAAAATTCCTTGGAATACTAAAAATCATGAGATCCTTTAAA	1303
Db	1204	ltaaatlcccttgglygaagaanaaatcttggaaatactaataaaatcaatgagatccctttaa	1263
QY	1304	TCCTTCCATAAAAGCTTTTGTGGTGGACCTCCATGCATCAACATGAAGATGAG-TTCC	1362
Db	1264	tccttccatgaaagatlltgglyggtgagccctccctacgltcaacaatgaaagtgtgttcc	1323
QY	1363	TTGAGTGACATCTGGGAAGATTTCTTACCCGACCAACAGATTCCTTCAGCTTCATTTCCGCC	1422
Db	1324	ttcagtgacatctggaaagattcttaccctgacaacagttcccttcagtccattcttgccc	1383
QY	1423	CTGATTTATGCCCAACCCCGCACCCGACGAGTGTTTATACGCTCAGCTTTTGTCTTTT	1482
Db	1384	ctcatltaaccctccaacccccagccccagtgltatacagctcagctlltgtcctt	1443
QY	1483	CTGAGAGAAAACAATTAAGACAT-TAAGGAAAGAGATTCACTGTGGAAATATAAGATGCT	1541
Db	1444	ctgagagagaaacaataaagacataaagygaaagatcatctgynaatataaagatgct	1503
QY	1542	GACTTGTGCTCTTCTTGACCTCTGTTTTCAGTTTCAATTAGTGCCTACTTGATGACAG	1601
Db	1504	gacttgcctcttcttgacctgttlltccaglttcaatcaagctgctactgatagacag	1563
QY	1602	ACACTTCTAAATGAAGTGCMAAATTTGATACATATGTAATGGAATGAGACACTTTTCTTGCA	1661
Db	1564	accttctaataigaaagtgcaatttgatataatgyaataigbaactcagtttcttgca	1623
QY	1662	GATCAAAATTTACGCTGCTCTTGTAATCTGTGGAGGTACACTCTTATAGAAAATTCAAA	1721
Db	1624	gatacaattcaagctgcttctctgatactgtaagtgaaactctataagaagltcaaa	1683
QY	1722	AACTTACGCTCCTCTTCTTCTTAACTCAGAGAAATGAGGAGGCTGCTCAAGTTGA	1781
Db	1684	aagctcaagctcctcttcttctaactcagtgaaagtaatgggtccgtcctaagttga	1743
QY	1782	AAGAGTCTATTGTGACGTAGCCGCGCTGTGAATTTGAGCAATCCTATTAACTGG	1841
Db	1744	aagagctcatttgcactgtagcctgcgcgtgtgaattgagacatccatttaactg	1803
QY	1842	CTTACAGCCCTCCGACCTCTTTCAGCCACTCTCTTTTTCAGTTGGCTGACTTCACACC	1901
Db	1804	cttca-gcctcccaccttcttcaagcaacctccttlltaaglttgctgacttccacacc	1862
QY	1902	TAGCATCTCATGAGTGTCCCAAGCAAGAAAAGAGAGAGAAATAGCCTGCGGCTTTT	1961
Db	1863	tagcatctcatgagtgccaagaaagagagagagagaaatagcctgacgtgttctt	1922
QY	1962	AGTTTGGGGGTTTTGCTGTTTTCTTTTATGACACCAATTCATTTTCTTATAGTCAATGT	2021
Db	1923	agtttgggggttggctgttcttcttlltagagaaaccaatcctattcttatagtcaatgt	1982
QY	2022	TTCTTTTACAGATTTTATTTAGTAGAAAACATCACTGAAATGCTAGGCGCAAGGACA	2081
Db	1983	ttcctttatacaagatactatttgtagaanaaacatactcgtaaatgctcaagtcaagtgaca	2042
QY	2082	TCTCTTGTATGTCATATGGAAGAAGTTAAAAACAGGTGAGAAAATTCCTTGATTCACATGA	2141
Db	2043	tcctctttagtgcataatgaaagatlaaaacagtgagaaatcttcttgatccaaga	2102
QY	2142	AATGCTCTCCTTCCCGCTCCGCCCCGACACTTTTATGC-ACCTAACCAAGATTCACATATT	2200
Db	2103	aatgctctcttcttcccctgcccccaagacttllatccgacttaacctagatltcaatatt	2162
QY	2201	CTTTAAATTTCACTCAGGCTCTCCGCAACCCAC 2235	
Db	2163	ctttaaattgaatcttcaagccttccctcaaacctccac 2197	

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RESULT      5
US-10-136-819-15
; Sequence 15, Application US/10136819
; GENERAL INFORMATION:
; APPLICANT: Chien, Kenneth
; APPLICANT: Hoshijima, Masahiko
; TITLE OF INVENTION: Non-viral vesicle vector for cardiac specific gene delivery
; FILE REFERENCE: 6627-P11198
; CURRENT APPLICATION NUMBER: US/10/136,819
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: 60/287,423
; PRIOR FILING DATE: 2001-04-30
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 15
; LENGTH: 2323
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-136-819-15

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Query Match	94.2%	Score 2127.8	DB 7	Length 2323
Best Local Similarity	99.3%	Pred. No. 0		
Matches 2179	Conservative	0	Mismatches 12	Indels 4
QY 44	CCCTTGGCAAGAGCCTTGACCCCTTGTCTTAAGTCACAAAGAGCTCAATAGGGCTGCAGAAG	103		
Db 4	cccttggcaagagcacttgagacccttgytctaagtcgaagaggtcctaaityggtctcagaag	63		
QY 104	AAC7AGAGAGGACCAAGCAAGCAAGCCATGATATTTCCATGGAATGTCAAGGACCCAGAG	163		
Db 64	aactagagagagaccgaagcaagcatgatattccatgaaatgtcgaagaccgaag	123		
QY 164	GGACTTATGGAACATCTTCAAAGTTGCGGGGGGAGCAATGCTCTGTGATTTCTCTGGC	223		
Db 124	ggacttaatggaacatcttcaagtctgagggggagcaaatgctctgtgtgatttccctggc	183		
QY 224	ACATCATGGAAACCTACTGCTGACCTTACCATTATTTCTGAAAAACCCATGAACTGGCAAG	283		
Db 184	acatcatggaacacctactgctgacttgactacatattctcgaaaaaccatgacttgcgaag	243		
QY 284	GGCTAGGAAGATTCTCCGAGACATTTACACAGATTTAGTTGCCATACAAACAGGCGGA	343		
Db 244	ggctagaagattcttcgagacaattacaagatttaagttgcacataaaagaagcgga	303		
QY 344	AATTAGATATCGGAGAGACTCTCCCTTCAGCTGCTTCTTAATCTGATTTGGAATCGG	403		
Db 304	aattagatattcggaagactcttccttcagcttccatctactctcgtgatbgaatccg	363		
QY 404	GAAGATAGAGGAATATGAGCGTGGGTGGGAACCAACAAATCTCTCACTGGAAGAAGAGA	463		
Db 364	gaagatagaggaatatatgacgttgggtgggaaccaacaattctctcacttgaagaagcaga	423		
QY 464	GAAC7GGGGACATGCTGAGGCCCAACAAAGAAAGAACAGAGAGACTGCTGTGGAATCTA	523		
Db 424	gaactggggagatggttgagcccaacaagaagaagaaagaagagactgctgtgagatcta	483		
QY 524	TATCAAGAGAAACAAAGATGCAAGCAATGGAACATACCCCTCCCAACAACTTAAAGC	583		
Db 484	tatcaagagaaacaagatgcaagcaaatggaacatgacgccttgcacaaactaaagc	543		
QY 584	AGCCCTCTGTTACACAGCTTCTTGCCAGCCCTGGTCAATGCAAGTGCCATGGAGAAATGTGT	643		
Db 544	agccctctgtttacacagcttcttgccagccctgtgtcactgagtgycocaatggaatgtgt	603		
QY 644	AGAATATCTCAATATATCACTGCACTGGAATGTGATGTGGGGATACATGGGCCCAAGTGCA	703		
Db 604	agaatatctcaataatcaactgcaactgtgactgtgagtggttactatggtccccagtgca	663		
QY 704	GCTTGTGATTCAGTGTAGGCTTTGGAGGCCCAAGAGCTGGGTACCAATGGAAGCTGACTCA	763		

[illegible]

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QY      1842 CTTGAGGGCTCCCGCACCTTCTTCACGCCACTCTCTTTTCAGTTGGCTGACTTTCACACC   1901
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QY      1902 TTGCATCTCATAGTGCCCAAGCAAAAGAGAGAAGAGAAGAAAPAGCCTCGGGTTTTTT   1961
        ||||| |||||||
Db       1863 tggatctcatagtagtgccaagcaaaaggagaaagagaaabtagcgctgcgtttttc   1922
QY      1962 AGTTTTGGGGTTTTGTGTTGCTTTCTTTTAAGAACCCATTCTCTATTTCTTATAGTCANGT   2021
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Db       1923 agtltgvggggtlfttgctgtlcttccttlatagagaccattccattctctaagtcaaigt   1982
QY      2022 TTTCTTTATCAGCATATTATTAGTAGAAGAAACATCACTGAATAATGCTAGTGCAGTGACA   2081
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Db       1983 ttcttttatcacgatattttagtaagaanaaacatcactlaaatlgctagctgaagtgcaca   2042
QY      2082 TCTCTTTTGATGCATATGGAAGAGTTAAANAAGTGAGAGAATTTCTTGATTCACAAATGA   2141
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Db       2043 tctctttgtagtcatatgaaagaglttaaaccagtgagagaabttccttgaltccacauga   2102
QY      2142 AATGCTCTCTCTTCCCCTGCCCCGACGAACCTTTTATCC-ACCTTACGTAGATTCTACATATT   2200
Db       2103 aatgctctctcttccccctgcccgaccacttlatocgaccttaacctagaagttcatacat   2162
QY      2201 CTTTAAATTTCATCTCAGGCTTCCTCAACCCACC   2235
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Db       2163 ctttaatttcatctcagagctccctcccaaccccaac   2197

RESULT      6
US-10-212-054-684
; Sequence 684, Application US/10212054
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P1212CIN
; CURRENT APPLICATION NUMBER: US/10/212,054
; NUMBER OF SEQ ID NOS: 2164
; Prior application removed - See File Wrapper or Palm
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 684
; LENGTH: 1213
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1114)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1121)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1142)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1157)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1182)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-212-054-684

Query Match          49.5%; Score 1117.2; DB 6; Length 1213;
Best Local Similarity 96.5%; Pred. No. 2.2e-287;
Matches 1171; Conservative 9; Mismatches 27; Indels 6; Gaps 4;
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OY 752 GGACTGTACTACCCCTTTGGAACTTCAGCTTCAGCTACAGTGTGCTTCTTACGCTGCTC 811
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DB 61 ggaacttaccaccccttgggaacttcagcttcagctcagtgtagcctcagcgtc 120
OY 812 TGAAGAACAACTTAAGTGGATTAAGAAACACCTGGAGCAATTTGGAACTGCTC 871
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DB 121 tgaagaaacaacttaactcagtgagttgaagaacaacctgtgacatttggaaacggtc 180
OY 872 ATCTCCAGAACCACTGTCAAGTATTCAGTGTGAGCCCTTATTCAGCACACAGATTTGG 931
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DB 181 atctccagaacaacctgtcaagtgatcagtgtagccttcaagcaccagatttgg 240
OY 932 GATCATGAACTGTAGCCATCCCTGGCCAGCTTCAGCTTACTCTGCACTGTACTCTCAT 991
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DB 241 gacatgaacttgaagcaccctggccagcttcagcttcagctcgtcgtacccctcat 300
OY 992 CTGCTCAGAGGAACTAGTAAATTTGGAGAAAGAAACCATTTGTGAATCATCTGAAT 1051
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DB 301 ctgctcagaaggaactgagttaatitgggaagaagaacaaccttggatcatcttggat 360
OY 1052 CTGGTCAAACTCTAGTCAATATGTCAAAATTTGACAAAAGTTTCTCAATGATTAAGA 1111
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DB 361 ctggtcaaaactcctagtcacataltgcaaaaatggaacaaagtcttcacatgattaaga 420
OY 1112 GGGTGATTAACCCCTCTTCATTCCAGTGGCAGTCAAGTGTACTGCACTTCCTGGGTT 1171
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DB 421 gggtagataaaccccttcatccagtcgacgacgtagtactgcatctctcgtggt 480
OY 1172 GGCATTTATCATTTGGCTGGCAAGAGATTAATAAAAGCAAGAAATCCAGAGAGATAT 1231
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DB 481 ggcattatcatcttgcttgtagcaagagatataaaaaggcaagaatccaaagagat 540
OY 1232 GAATGACCCATTTAAATGCCCCGTGGTGAAGAAATTTCTTGAATTAATAAATCATG 1291
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DB 541 gaatgacccatataatgccttggtagaaatattcttgaaataataaaaatcatg 600
OY 1292 AATATCCTTAATCCCTTCATGAAAGGTTTGTGTGGGCACTCCCTCAAGCAAAATG 1351
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DB 601 aatcccttaaatccctccatgaagagcttgcgtggagcaccctcctcagccaacatg 660
OY 1352 AAGTGTG-TTCCTTAGTGCATCTGGGAAGATTTCTACCCGACCAACATTTCTTACGT 1410
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DB 661 aagtggttctcctcagtgcatctgggaagatttctacccgacaaagcttccctcagct 720
OY 1411 TCCATTTGGCCCCCTCATTTATCCCTCAACCCCGACCCACAGGTGTTTATACGCTCAGC 1470
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DB 721 tccatttgcgccctcatlataccctcaacccccagcccaagtggtlatacagctcagc 780
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DB 781 ttttgccttcttcagtaggaacaaataagaccataaaggaaagatcttcgtggaat 840
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DB 841 ataagagatgctgacttgccttcttcttgcactctgtttcagtttcaattcagtgctgt 900
OY 1590 ACTTGATGACAGACACTTCTAATGAAGTGAATTTGATNATATNTGTGAATATGAGCTC 1649
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OY 1650 AGTTTCTTGCAGATCAAAATTTACGTGCTCTTGTATACTGTGAGGTACTCTTAT 1709
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DB 961 agtttcttcagatcaaatltcaagtgcttctcgtatactgttgaggttaacactctat 1020
OY 1710 AGAAAGTTCAAAAAGTCTACGCTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1769
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DB 1021 aagaagttcaaaaagctcagctctccttcttcttaactccagtgaaatwtatgggtcc 1080
OY 1770 TGCTCAAGTTGAAGAGTCTATTTGGACATGAGCC--TCGCCGTCTGTGAATTTGGACCA 1827
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DB 1081 tgcctmagtgaagaagatcctatttgcactgtfancocysnccgctcgtkaatttggacm 1140
OY 1828 TCC-TATTTAACTGGCTTCAGGCTCCCGACCTTCTTTCAGCACTCTCTTTTCACTT 1885
    |||||
DB 1141 tncctatttaacttgnnttaagcytcccamcttltttaagncacactcttlttcagt 1200
OY 1886 GGCTGACTCCAC 1898
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DB 1201 gactgacttcaac 1213

RESULT 7
US-10-035-832-1390
; Sequence 1390, Application US/10035832
; GENERAL INFORMATION:
; APPLICANT: Morris, David
; APPLICANT: Engelhard, Eric
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: A-71249/RMS/DCF
; CURRENT APPLICATION NUMBER: US/10/035, 832
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: US 09/747, 377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798, 586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 1613
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 1390
; LENGTH: 1119
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-035-832-1390

Query Match 49.0%; Score 1107.8; DB 6; Length 1119;
Best Local Similarity 99.4%; Pred. No. 6,8e-285;
Matches 1112; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

OY 129 ATGATATTTCCATGGAATGTCAGAGCAACCCAGAGGAGCTTATGAGACATCTTCAGTTG 188
DB 1 atgatatttccatggaatgtcagagcaccagagggacttatggaacatttcaagt 60
OY 189 TGGGGGTGACAAATGCTGTGTGATTTCTGTGCACATCATGAACTTACTGCTGACAT 248
DB 61 tgggggtgacaatgctgtgtgatttctgtgcacatcatgaaacttgcagactgtgtgact 120
OY 249 TACCATTTTCTGAAAAACCATGAATGCGAAAAGGCTAGAGAATTTCTGCCGAGACAT 308
DB 121 taccatttcttgaaaaaacccatgaactgcaaaaggctagaagaattctgcgagacaat 180
OY 309 TACACAGATTTAGTGCATACAAAACAAGCGGAATTTGATATCGAGAACATCTG 368
DB 181 tacaaagatttagtggccatacaaaaagcggaatitggtatctcgggaagaaccttg 240
OY 369 CCCTTCACTCGTTCTTACTAGATAGAAATCCGGAAGATAGAGGAATATAGACGTGG 428
DB 241 ccttccagtcgttcttactactgataagaaatccggaagatagaggaatatgtagctgg 300
OY 429 GTGGGAACCAACAAATCTCTCACTGGAAGAACAGAACTGGGAGATGGGAGCCCAAC 488
DB 301 gtgggaaccaaacaatccttactgaagaagcagaagacttgggagatggtggcccaac 360
OY 489 AACAAAGAGAACAGAGAGAGTGGTGGAGATCTATATCAAGAGAAACAAGATGACGGC 548
DB 361 aacaagaagaacaagagagactgcgtggaagctcatatcaagaagaacaaagaagcaggc 420
OY 549 AAATGGAACGATGACGCCCTGCCAACAACTAAAGGACAGCCCTCTGTTTACAGAGCTTCTTGC 608
DB 421 aatggaacgagtgagcgtgcagcaaaactaaaggcagccctcgtttacacagcttctgc 480
OY 609 CAGCCCTGGTATCATGAGTGGCCATGAGAAATGTGTAGAAATCATCAATTAATCACACCTGC 668
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Db      481  cagccctcgttcatactcagctggtccatctgtagaagatctgtctgaagaatcatcaataataaacacctcgc 540
Qy      669  AACTGTGATGTGGGGTACTATATGGGCCCCCAAGCTGTACAGCTTGATGATTCAGTGTAGGCCCTTTG 728
Db      541  aactcgtatctggtggtactactatgagccccaagtgcagttctgtgatcttcagctgtagaccttg 600
Qy      729  GAGGCCCCCAAGAGCTGGGTACCATTGAGACTGTATCTACACCCCTTTTGGAACATCTTACGCTTACG 788
Db      601  gaggccccaagacctcgtggttaccatgtagactgtactcaacccctctggtgaacacttcagcttcagc 660
Qy      789  TCACAGTGTGGCTTCACACTGCTCTCGAAGAAACAACCTTAACTGAGGGATTTCAAAACACCAAC 848
Db      661  tcacagctgtccttcacagctcgtcctcgtgaagaaacaacttaactcgtgagcttgaaagaacccacc 720
Qy      849  TGTGACCACTTTGGAAACTGGTATCTCTCAAGAACCAACCTGTCAAGTGAATTCAGTGTGAG 908
Db      721  tgtgaccactcttggaacactcgttcactctccagaacccaacctgtcaagctgtagtcaagtgtgag 780
Qy      909  CCTCTATACGACCAACGATTTTGGGGATCATGTAACCTGTAACCTCCCTGGCCAGCTTCAACG 968
Db      781  cctctatcagacccaagatcttggtgatalcagtaactgtagcattccctcgtccagcttcagc 840
Qy      969  TTTTACCTCTGCATGTACCTTCATCTCTGCTCAAGAAACAACGAGTGAATTTGGGAAGAAAGAA 1028
Db      841  ttacccctcgtgaactgtaccttcactcgtccgaagaagactgaattcaatttggtggaagaagaa 900
Qy      1029  ACCATTTGTGATCATATCTGTGAATCTGGTCAAAATCTATGTCATAATGTCAAAATAATTGGAC 1088
Db      901  accattctgtagatcatcttggaatctcgtgcacaaatccctcagtcacatatgttcaaaaattgac 960
Qy      1089  AAAAGTTTCTCATGATTTAAGAGAGGTGATTTAAACCCCTCTTCATTTCCACTGGCAGTCTC 1148
Db      961  aaaagttctcctcaagtaactaagaggggtgattactaaacccctctcaatctcagctgagctc 1020
Qy      1149  ATGGTACTGCAATTCCTCTGGGTTGGCATTTATCATTTTGGCTGTGGCAAGAGATTAAAAAA 1208
Db      1021  atggttactgcatctctctggtcttggaacttatcatcttgctcgtgcaagagattaaaaaa 1080
Qy      1209  GCGAAGAATATCAAGAGACAAATGATGATGAGCCCATTTAA 1247
Db      1081  ggcgaagaatccacaagagaagatgatatgataaccacatatata 1119

RESULT      8
US-10-211-364-518
: Sequence 518, Application US/20211364
: GENERAL INFORMATION:
: APPLICANT: Rosen et al.
: TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
: FILE REFERENCE: P3216CIN
: CURRENT APPLICATION NUMBER: US/10/221,364
: CURRENT FILING DATE: 2002-08-05
: PRIOR APPLICATION NUMBER: 09/760,486
: PRIOR FILING DATE: 2001-01-16
: PRIOR APPLICATION NUMBER: 60/179,065
: PRIOR FILING DATE: 2000-01-31
: PRIOR APPLICATION NUMBER: 60/180,628
: PRIOR FILING DATE: 2000-02-04
: PRIOR APPLICATION NUMBER: 60/214,886
: PRIOR FILING DATE: 2000-06-28
: PRIOR APPLICATION NUMBER: 60/217,487
: PRIOR FILING DATE: 2000-07-11
: PRIOR APPLICATION NUMBER: 60/225,758
: PRIOR FILING DATE: 2000-08-14
: PRIOR APPLICATION NUMBER: 60/220,963
: PRIOR FILING DATE: 2000-07-26
: PRIOR APPLICATION NUMBER: 60/217,496
: PRIOR FILING DATE: 2000-07-11
: PRIOR APPLICATION NUMBER: 60/225,447
: PRIOR FILING DATE: 2000-08-14
: PRIOR APPLICATION NUMBER: 60/218,290
: PRIOR FILING DATE: 2000-07-14
: Remaining Prior Application data removed - See File Wrapper or PAM.

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; NUMBER OF SEQ ID NOS: 1778
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 518
; LENGTH: 1298
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-211-364-518

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Query Match	45.8%;	Score 1035;	DB 6;	Length 1298;
Best Local Similarity	99.28;	Pred. No. 1.8e-265;		
Matches 1049;	Conservative 1;	Mismatches 6;	Indels 1;	Gaps 1;

OY	25	ACCCGAGACAGACACACCTCCCTTT- GCGAAGAGCTGAGACCCCTTGCTCAAGTCACAA	83
Db	90	aaacttgaaagacagcaaacctccctcttgggaaagaaaccttgacccttgcgtcaagtcaaga	149
OY	84	GGCTCAATGGCTGGCGAAGAACTAGAGAGAAGACCAAGCAAAAGCCATGATATTTCCATGG	143
Db	150	ggctcaatggctggcgaaagaaacttagagaagaaaccaagaagaacccatgatttcacatgg	209
OY	144	AAATGTACAGACACCCAGAGGACTTATGGAACATCTTCAAGTTGGGGGTGGACATG	203
Db	210	aaatgtcagaagaccacagagggacctatgaaacatcttcaagtctgaggggcggacaatg	269
OY	204	CACGTGTGGATTTCCCTGGCACATCATGGAACCTACTGCTGGACCTTACATTATTTCTGA	263
Db	270	ccctgttgatcttcctgcacatcatcgtgaacccgacctgcgtgacttaccatattccgtga	329
OY	264	AAACCCATGAAGTGGCAAGGGCTAGAAAGATTCTGCCGAGACAAATTACACAGATTAGTT	323
Db	330	aaacccatgaactcgtgaagaaggctagaagattctgcgcgacaattacacagatttagt	389
OY	324	GGCATTAACAAACAAGGGGGAATTAGTATCTCGGAGANAACATCTGCCCTTCACTGCTTCT	383
Db	390	ggcatatacaaaacaagcgcggaatctgagtactcgggaagaacctgccttcagtcgctt	449
OY	384	TACTACTGGATAGGATCCGGAAAGATAGAGAGAAATTGAGACCTGGGTGGAGCAACAA	443
Db	450	tactactgtagtagatccggaaagatagaagaatctgaaagctgggtggagccaaacaa	509
OY	444	TCTCTCAGTGAAGAGACAGAACTGGGAGATGGTGAGCCCAACAAACAAGAAACAAG	503
Db	510	tctcttactcgaagaagcagaagactcggggagatctggagcccaacaaacaagaagaacaag	569
OY	504	GAGGACTGGCTGAGATCTATATCAAGAGAACAACAAGATGACAGGCAATGGAACGATGAC	563
Db	570	gaggagactcggctgagatctatctatcaagagaacaagaatgcagcgcaaatcggaaagatgac	629
OY	564	GCCTGCCAACAACTAAAGGACGCCCTCTGTACACAGCTTCTTGCCACGCCCTGTCAATGC	623
Db	630	gcctgccaacaaactaaaggcagccctctgttacaagactctctgcagccctgctcatgc	689
OY	624	ACTGGGCATGGAGAAATGTTAGAAATCAATCAATTAATCAACCTGGCAACCTGATATGGGG	683
Db	690	agtcggccaagggaatctgtagaacaacaacaaatataaccgtcaacccgtgagtgggg	749
OY	684	TACTATGGGCCCCAGATGTCAGCTTGATTCAGTGTGAGCCCTTTGGAGGCCCCAGAGCTG	743
Db	750	tactatgggccccagctgtcagytctgtgattcagcttgagccttggagcccccagagctg	809
OY	744	GGTACCAATGCAATGATACACCCCTTTGGAACCTTCAGCTTCAGCTCAACAGTGTGCTTC	803
Db	810	ggtaccaaagagactgtacttaaccccttgggaaacttcaagcttcaagctcaagctgcttc	869
OY	804	ACCTGCTCTGAAGGAACAACCTTAACTGGGATGGAAGAAACCAACCTGTGGACATTTTGA	863
Db	870	agctgctcgtgaaggaacaacacttaactcgtgatttgaagaaacacactgtgaccatttga	929
OY	864	AACGTGATCTCTCCAGAACCAACCTGTCAAGTGATTCAGTGTGAGCCTCTATACAGACCA	923
Db	930	aactgtgatactccagaaacaacctgtcaagtgatctgagccttataccaagaca	989

OY	924	GATTGGGGAGCAGACCTGTAGCCATCCCCCGCCAGCTTACGCTTATACCTCTGCATGT	983
Db	990	gatttgggacatcagaaactctagacatcccccttgcagactcagcttcctccctcagct	1049
OY	984	ACCTTCATCTGCTCAGAGGACACGTATTTATTTGGGAAGAAAGAAAACATTGTGTAAATCA	1043
Db	1050	aacctcatctgctcagaagaagacttgatctatgtggaaagaagaaacattcttgaatca	1109
OY	1044	TCTGGAACTGCTCAATTCCTAGCCCAATATGTCAAA	1080
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RESULT 9
US-10-212-054-575
; Sequence 575, Application US/10212054

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1  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
2  FILE REFERENCE: P1212C1N
3  CURRENT APPLICATION NUMBER: US/10/212,054
4  CURRENT FILING DATE: 2002-08-06
5  NUMBER OF SEQ ID NOS: 2104
6  Prior application removed - See File Wrapper or Palm
7  SOFTWARE: PatentIn Ver. 2.0

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ORGANISM: Homo sapiens
US-10-212-054-575

Query Match	45.88;	Score 1035;	DB 6;	Length 1298;
Best Local Similarity	99.28;	Pred. No. 1.8e-265;		
Matches 1049; Conservative	1;	Mismatches 6;	Indels 1;	Gaps 1;

OY	25	ACGCGAGCAGCAGCAKCTCCCTTT--GGCAAGACCTGAGACCTTTGTGCTAACTCAAGA	83
Db	90	accgcgcagcaagaacacctccctcttggcaagagccctgagccctctgtctaaagtcaga	149
OY	84	GGCTCAATGGGCTTGACAGCAACATAGAGGAAGACCAAGCAAGCATGATATTCCATGG	143
Db	150	ggctccatctggctctgcagaagaactcagaagaagaccgaagcaagccatgatattccatgg	209
OY	144	AAATGTCAGAGCACCCAGAGGGACTTATGGAACATCTTCAAGTTGTGGGGTGGCAATG	203
Db	210	aaatgcagagcaccaccagaggaacttatgaaacatcttcaagtgtgagggtgagcaatg	269
OY	204	CTCTGTTGTATTTTCCCTGGACATCATAGGAACCTACTGCTGGACTTACCATTTATCTGAA	265
Db	270	ctctgtgtatcttcctctgcacatcatalgaaacgcagctgcctgacttaccattctcgaa	329
OY	264	AAACCCATGAACCTGGCAAAGGGCTAGAGAATTGCGCCGAGACATTCACAGATTTTNGTT	323
Db	330	aaaccatctgacctcggcaaaaggtctagaagaattctgcgcgagcaatlaacacagattagtc	389
OY	324	GCCATCAAAAACAAGGCGGAATTTAGTATCTGGAGAAGACTGCGCCTTCACTCGTTCT	383
Db	390	gcacatacaaaacaagggagaaattgagtatctcgagagaagactctgccttcagtcgtctc	449
OY	384	TACTACTGGAATAGGAATCCGGAAGATATGGAGGAATATGACGTGGGTGGACCAACAAA	443
Db	450	tactactcgtgaataagatccggaagatagaggagaaatgatgcagctggtgtggaacacaa	509
OY	444	TTCTCTCACTAAAGACAGAGAAGTGGGGGAGATGGAGCCCAACAACAAGAAACAAG	503
Db	510	tctcttaactcgaagaagaagaagaaactcggggagatcggtagcccaacaagaagaacaag	569
OY	504	GAGGACTGCGTGGAGATCTTATATCAAGAGAAACAAGATCAGAGCAATGAGACGATGAC	563
Db	570	gaagactcgcgtgagatctatctatcaagagagaacaagaatcgcagcgcaaatcgtgaacgtatgc	629
OY	564	GCGTGCACAACTAAAGGACGCCCTCTGTTTACACAGCTTCTTGGACGCCCTGGTCATGCG	623

Db	630	gctcgccaaataaactaaagagccctctgttaacagctcttcgcagcccttggttcattgc	689
QY	624	AGTGGCCATGAGAAATGTGTAGAAATCATCAATATACACCTGCAACTGTGATGTGGG	683
Db	690	agtgccatcgtgaagatgtgtgaataatcatcaataatcactgaacctgtagtgggg	749
QY	684	TACTTATGGGCCCCAATGTACACTCTGTATTCAGTGTGAGGCTTTGGAGGCCCAAGCTG	743
Db	750	tactcttgggccccagctgtcagatcttgatctcagtgtagacctcttggaagccccaaagctg	809
QY	744	GGTACCATGAGACTGTACTACACCCCTTTGGAAACCTCAGCTTCAGCTCAGAGTGTGCTTC	803
Db	810	ggttaccaatcgtgaactgtactcacacctcttggaactcaagcttcaagctcaagtggtcttc	869
QY	804	AGCTCTCTGTGAAGGAACAACCTTAACCTGGGATTGAAGAAACAACCTGTGGACATTTTGA	863
Db	870	agctgctctcgaagaacaacacttaactgtgattcgaagaacaacacctgtgaccatttga	929
QY	864	AACCTGTATCTCCAGAACCACTGTGTCAAGTATTCAGTGTGAGGCTCTTATCAGACCA	923
Db	930	aacttgcatactccagaacaacactcgtccaagtattcagtgtagaccttatacagcacca	989
QY	924	GATTTGGGGATCATGAACCTGAGCCATCCCCCTGGCCAGCTTCAGCTTAACCTCTCAGATG	983
Db	990	gatttggggatcacgaactgtgagccatcccccttggccagcttaagcttaacctctgcagct	1049
QY	984	ACCTTCATCTCTCAGAGAAGAACTGAGTTAATTTGGAGAGAAGAAAAACATTTGTGTAATCA	1043
Db	1050	acctcattctcgtcagaagaagactgagttaatctgggaagaagaanaaacatttgaatca	1109
QY	1044	TCTGGAATCTGTCAATTCCTAGTCCAAATGTGCAA	1080
Db	1110	ttctggaactctgtgtcaaatccctcagttccaatatgtgcaaa	1146

RESULT 10
US-10-212-778-424

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1  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
2  FILE REFERENCE: PM02631N
3  CURRENT APPLICATION NUMBER: US/10/212,778
4  CURRENT FILING DATE: 2002-08-07
5  PRIOR APPLICATION NUMBER: 09/758,449
6  PRIOR FILING DATE: 2001-01-11
7  PRIOR APPLICATION NUMBER: 60/179,065
8  PRIOR FILING DATE: 2000-01-31
9  PRIOR APPLICATION NUMBER: 60/180,628
10 PRIOR FILING DATE: 2000-02-04
11 NUMBER OF SEQ. ID NOS: 1478
12 SOFTWARE: PatentIn Ver. 2.0
13 SEQ. ID NO. 424
14 LENGTH: 1298
15 TYPE: DNA
16 ORGANISM: Homo sapiens
17 US-10-212-778-424

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Query Match	45.8%	Score 1035;	DB 6;	Length 1298;
Best Local Similarity	99.2%;	Pred. No. 1.8e-265;		
Matches 1049;	Conservative	1;	Mismatches	1;
			Gaps	1;

Accession	Sequence	Position
Oy	ACCTGCACACAGACACATCCCTTTGGSCAAGAGACCTGAGACCCCTTGCTAATCATAGA	83
Db	acctgcacacagacacacacccctcttggcaagagaccccttgctcaatacaga	149
Oy	GGCTCAATGGCGCTGCAGAGCACTAGAGAGACCAAGCAAAAGCCATGATATTTCCATGG	143
Db	ggctcaatggcgctgcagagaactagagaagacaaagccatgatatcttccatgg	209
Oy	AAATGTCAGACACCCAGAGGGACATTGTGGAACATCTTCAAGTTGTTGGGGGTGACAAATG	203
Db	aaatgtcagacacccagagggacattgtggaacatcttcaagttgttgggggtgacaaatg	203

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Db 210 aaatgtagagcaccacagaggaacttatggaacatcttcaagtggtgaggaatg 269
QY 204 CTGCTGTTGTATTCCTGGACATCATGGAACCTACTGCTGGACTTACCATTTATTCGAA 263
Db 270 ctctgtgtgattctccgagacacatcagaaacgcagctgtgacttaccattatctgaa 329
QY 264 AAACCCATGAACTGGCAAGGGCTGAGAAATTCGCGAGACATTTACAGATTTAGTT 323
Db 330 aaaccatgaactggaagaaagcctagaagatctcgccgaagacaattacacagattglt 389
QY 324 GCCATACAAAACAAGCGGAATTGATGATCTGAGAAAGACTGCTGCCCTTACGCTGCT 383
Db 390 gcaatatacaaaacagcggaattgagttatctggaagaagacttcgcttcaagtcgttct 449
QY 384 TACTACTGATAGGAATCCGAGAGATAGAGAAATATGACAGTGGGTGGGAACCAACAA 443
Db 450 tactactgtagaatactccgaaagatagaggaatagacgtggtggtggaaccaacaa 509
QY 444 TCTCTCACTGAGAGAGAGAACTGGGAGATGATGAGCCCAACAAACAAGAACAG 503
Db 510 tctcttactgaaagaagcagaactgaggaagatggtgagcccaacaaagaagaacag 569
QY 504 GAGGACTGCGTGGAGATCTATATCAAGAGAAACAAGATGCGAGCAATGGAACGATGAC 563
Db 570 gagagactgctgagatctataatcaagaagaacaagatgacgcaaatgaaacgtagac 629
QY 564 GCGTCCACAACCTAAAGCAGCCCTCTGTTACACAGCTTCTTCCAGCCCTGTCATGC 623
Db 630 gccgcacaacaactaaagcagccctctgttacaacagcttcttcgagccctgttcatgc 689
QY 624 AGTGGCATGAGAAATGTGTAATCATCAATATCAACACTGTCAGCTGATGATGGG 683
Db 690 agtggcataggaatgctgtgaaatcaatcaatcaacacgcaactgtagtggg 749
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Db 870 agcgagctctgaagaaacaaactaaacgagatcgaagaacacacgctgagccatctgga 929
QY 864 AACTGTATCTCCAGAACCAACCTGTCAAGTGTATCAGTGTAGGCTTATCAGACACA 923
Db 930 aactgtatctccagaaacaaactgtcaagtgatcagtgtagcctctatacagaca 989
QY 924 GATTGGGATCATGAACGTGATGACCATCCCTGGCGACGTTTACGCTTGCATGT 983
Db 990 gatctgggatactgaactgtagcaccctcggccagcttcagcttaccctcgcagctg 1049
QY 984 ACCCTTATCTGCTGAGAAAGCACTGATTAATTGGGAAGAAACCATTTTGGATCA 1043
Db 1050 acccttactcgtcagaagaacgagatlaatctgggaagaagaacacattctgtaacta 1109
QY 1044 TCTGGAACTGTGTCMAATCTTATGTCATAATGTCAAA 1080
Db 1110 tctggaactcgtcaaatctcagtcacaaatattgtcaaa 1146
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RESULT 11
US-10-035-832-1388
; Sequence 1388, Application US/10035832
; GENERAL INFORMATION:
; APPLICANT: Morris, David
; APPLICANT: Engelhard, Eric
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: A-71249/RMS/DCF
; CURRENT APPLICATION NUMBER: US/10/035,832
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; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 1613
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1388
; LENGTH: 40955
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-035-832-1388

Query Match 42.98; Score 968.6; DB 6; Length 40955;
Best Local Similarly 99.3%; Pred. No. 3.5e-247;
Matches 1004; Conservative 0; Mismatches 4; Indels 3; Gaps 3;

QY 1227 AGTATGATGACCATTTAATATGCGCCTTGTGAAGAAATTTGGAATFATAAAA 1286
Db 29818 agtatgaatgaccatataatcgcctctggtgaaagaataatcttggaaactactaaaa 29877
QY 1287 TCATGAGATCCTTTAAATCCTTCCATGAAACGTTTGTGTGGTGGACATCTCTACGTC 1346
Db 29878 tcatgagatcctttaaatccttccatgaagaagtttctgtgtgtggtggtggtggtggtggt 29937
QY 1347 ACATGAAGTGTG-ATTCTTCAAGTCAATCTGGGAAGATTTTCAACCGACCAACTTCCTT 1405
Db 29938 acatgaagtggtggttcttctcagtgatcgtggaagattcttcaactgacaaacagttcct 29997
QY 1406 CAGCTTCATTTGCGCCCTCTGTTATCCCTACACCCCGACGCGCAGAGTGTATACAGC 1465
Db 29998 cagcttcattctgccccctcattatccctcaacccccagcccaagcttcttatacagc 30057
QY 1466 TCAGCTTTTGTCTTTTCTGAGGAAACAATAAAGACAT-AAAGGAAAGATTCATGT 1524
Db 30058 tcagcttttcttcttctctgtggaagaacaataagaacataaaggaagatctcagct 30117
QY 1525 GGAATATTAAGATGGCTGACTTTCCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1584
Db 30118 ggaatataaagatgctggaacttcttcttcttcttcttcttcttcttcttcttcttct 30177
QY 1585 GCTGTACTGTGATGACAGACACTTCTTAATGAAAGGCAAAATTTGATACATATGTAATATG 1644
Db 30178 gctgtactgtatgacaacacttcttaaaagagaaattcttatactatgtgaaatg 30237
QY 1645 GACTCAGTTTTCTTGCAGATCAAAATTCACGTCGCTTCTGTATATCTGTGAGGTACACT 1704
Db 30238 gactcagtttcttctgagatcaaatcttcaagctgtcttctctgtatatactgtgaggtacact 30297
QY 1705 CTTATGAAGATTAAGAAAGCTACGCTTCCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 1764
Db 30298 cttaagaagatlaaagaagctcagcttcttcttcttcttcttcttcttcttcttcttct 30357
QY 1765 GGTCTGCTGCTCAAGTTGAAAGGTCCTATTTCACATGTAGGCTGCCGCGTGAATTTGA 1824
Db 30358 ggtctgctgctcaagttgaaaggtcccttcttgcacgtgtagcctgcgtctgtgtaattgga 30417
QY 1825 CCATCTATTTAACTGAGCTTCAGGCTCCACACCTTCTTCAAGCCACCTCTCTTTTTCAGT 1884
Db 30418 ccatctatttaacttgaacttca -gcctcccaactcttcaagccactctcttcttctcag 30476
QY 1885 TGGCTGACTTCACACCTAGATATCATGAGTGGCAAGCAAAAGGAAGAAAGAAAT 1944.
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QY 1945 AGCTGCGCGGTTTTTTAGTTGGGGTTTTGCTGTTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 2004
Db 30537 agctgcgcggttctttagtttgggttcttgcgttcttcttcttcttcttcttcttcttctt 30596
QY 2005 TTTCTTATAGCAATGTTCTTTTATCAGATATATATAGTAAGAAAACATCACTGAAT 2064
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Db      1608 aactcgaactcttgcgcgat 1627

RESULT 13
US-10-212-778-373/C
; Sequence 373 Application US/10212778
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PM026C1N
; CURRENT APPLICATION NUMBER: US/10/212,778
; CURRENT FILING DATE: 2002-08-07
; PRIOR APPLICATION NUMBER: 09/7758,449
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; NUMBER OF SEQ ID NOS: 1478
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 373
; LENGTH: 1063
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc-feature
; LOCATION: (20)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: misc-feature
; LOCATION: (54)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-212-778-373

```

Query Match	34.3%	Score 775;	DB 6;	Length 1063;
Best Local Similarity	99.3%;	Pred. No. 3,6e-19e;		
Matches 797;	Conservative 2;	Mismatches 2;	Indels 2;	Gaps 2;
QY 1434	CTCAACCCCCAGCCACACAGGCTGTTATATACAGTCACGTCCTTTGTCTTTCTGAGGGAAA	1493		
Db 1002	CGAACCACCCACCCACACAGGCTGTTATATACGTCACGCTTTGTCTTTCTGAGGGAAA	943		
QY 1494	CAAAATGAAGACCAT-AAGGGAAAGATTCATGTGGAATATAAAGATGGCTGACCTTTCCTCT	1552		
Db 942	CAAAATGAAGCCATTAAGGGAAAGANTCTATGTGGAATATAAAGATGGCTGACCTTTCCTCT	883		
QY 1553	TTCTTGACTCTTGTTTTCAGTTTCAATTCAGTGCCTGACTGTGATGACAGACACTTCTAAA	1612		
Db 882	TTCTTGACTCTTGTTTTCAGTTTCAATTCAGTGCCTGACTGTGATGACAGACACTTCTAAA	823		
QY 1613	TGAATGCAAAATTTATATCATATGTGAATATGGACTCAGTTTCTTGCGAGATCAAAATTTC	1672		
Db 822	TGAATGCAAAATTTATATCATATGTGAATATGGACTCAGTTTCTTGCGAGATCAAAATTTC	763		
QY 1673	ACGTGCTCTTCTGATTTACTGTTGGAGGTACACTCTTATAGAAGTCAAAAAGCTACCGCT	1732		
Db 762	ACGTGCTCTTCTGATTTACTGTTGGAGGTACACTCTTATAGAAGTCAAAAAGCTACCGCT	703		
QY 1733	CTCCTTTCTTTTAACTCCAGTAGAATATGGGGTCTGCTCAAGTTGAAAGAGTCCAT	1792		
Db 702	CTCCTTTCTTTTAACTCCAGTAGAATATGGGGTCTGCTCAAGTTGAAAGAGTCCAT	643		
QY 1793	TTGCACTGATAGCTGCGCGTCTGTGAATTTGGACCATCTTATTTAACTGGCTTCAGGCTTC	1852		
Db 642	TTGCACTGATAGCTGCGCGTCTGTGAATTTGGACCATCTTATTTAACTGGCTTCAC-GCCTC	584		
QY 1853	CCGACCTTCCTAGCAGCACTCTCTTTTCAGTTGGGTGACTCCACACCTAGATCTCAT	1912		
Db 583	CCGACCTTCCTAGCAGCACTCTCTTTTCAGTTGGGTGACTCCACACCTAGATCTCAT	524		
QY 1913	GAGTCCCAAGCAAAAAGAGAGAAGAAATAGCTCGCGGTTTTTTAGTTTGGGGGT	1972		

Db	523	GAGTGCCAGAGAAAGGAGAGAAAGAAATGCGCGCTTTTAAAGTTGGGGGT	464
QY	1973	TTTGGCTGTTCTTTAATGAGACCATTCCCTATTTCATTTAGTCAATGTTCTTTATCA	2032
Db	463	TTTGCTGTTCTTTAATGAGACCATTCCCTATTTCATTTAGTCAATGTTCTTTATCA	404
QY	2033	CGATTTATTAGTAAAGAAACATCACTGAAATGCTAGCTGCAAGTACATCTCTTGATG	2099
Db	403	CGATTTATTAGTAAAGAAACATCACTGAAATGCTAGCTGCAAGTACATCTCTTGATG	344
QY	2093	TCATATGGAAGATTAAACAGGTGGAGAAATTCCTGATTCACATGAAATGCTCTCT	2155
Db	343	TCATATGGAAGATTAAACAGGTGGAGAAATTCCTGATTCACATGAAATGCTCTCT	284
QY	2153	TTCCCGCTGCCCCAGAACCTTTATATCACTTACCTAGATTCTACATATTTCTTTAAATTTCA	2212
Db	283	TTCCCGCTGCCCCAGAACCTTTATATCACTTACCTAGATTCTACATATTTCTTTAAATTTCA	224
QY	2213	TCTCAGGCTCGCCCTCAACCCAC	225
Db	223	TCTCAGGCTCGCCCTCAACCCAC	201

```

RESULT 14
; Sequence 1387, Application US/10035832
; GENERAL INFORMATION:
; APPLICANT: Morris, David
; APPLICANT: Engelhard, Eric
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: A-71249/RMS/DCP
; CURRENT APPLICATION NUMBER: US/10/035,832
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 1613
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1387
; LENGTH: 1119
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-035-832-1387

```

Query Match	33.5%	Score 757.4	DB 6:	Length 1119;
Best Local Similarity	79.8%	Pred. No. 1.8e-191;		
Matches 893;	Conservative	0;	Mismatches 226;	Indels 0;
			Gaps	0;
QY 129	ATGATATTTCCATGGAAATGTCAGAGCACCCGAGAGGACTTTGGAACATCTTCAAGTTG	188		
Db 1	atgagtgtccatcgtgagatgtaggggtacttactcgtgggtctgaggaacacctgaagctg	60		
QY 189	TGGGGGTGACAAATGCTCTGTGTGATTTCCTGGCAATCATGGAACCTACTGCTGGACT	248		
Db 61	tggggtctgacacgtctctgtgtgactctctgatacacatcgaactactcgttggact	120		
QY 249	TACCAATTTATTCGAAAAAACCATGAAGTGGCAAGGGCTAGAGAAGTTCTGCCGAGACAT	308		
Db 121	taccattatctcgaanaagccatgaactcggganaaatgctagaanaagttctgcgaagcaaat	180		
QY 309	TACACAGATTAGTTGGCCATACAAAAACAAGCGGAATTGACTATCTGGAGAAGACTGTG	368		
Db 181	tacacagatttagtcgcatacaaaaacaagagagaattgtagtattttagaatacatg	240		
QY 369	CCCTTCAGTCGTTCTTACACTAGTGAGATACCGGAAATATGAGAGATATGAGCGTGG	428		
Db 241	cccaaaagcccttactaactcagataggaatcaggaanaatctggganaaatctgagacatg	300		
QY 429	GTGGGAACCAACAAATCTCTCACTAAGAACGAGAACTGGGGAGATGTCAGCCCAAC	488		

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Db 301 gTgggaaccacaacacttcactaaagaagagaaactggggtgtctgggagcccaac 360
Oy 489 AACAGAAGAACAGAGAGAGACTGCGTGAGATCTATATCAAGAAACAAGATGCAGC 548
Db 361 aacaagaagatccaagagagactgtgtgagatcatatacaagaaggagaaactctggg 420
Oy 549 AAATGSAACGATGAGCCCTGCCACAACCTAAAGCCAGCCCTCTGTACACAGCTTCTTC 608
Db 421 aaatgaaagatgacgcctgtcaacaacgaagagcagctctgtctacacagcctctgc 480
Oy 609 CAGCCCTGTGTCAGATGAGTGGCATGAGAGATGTAGAAATCATATCAATATCAACCTCAG 668
Db 481 cagccagaggtctctgcaatggtccgtggagaaatgtctggaactatacaacatacagctgc 540
Oy 669 AACTGTGATGTGGGTACTATGAGGCCCGCCAGTGTACGCTGTGATTCAGTGAAGCCTTGG 728
Db 541 atctgtatgacagggatataacgggcccacgtgtccagtatgtgtccaggtgaagccttgc 600
Oy 729 GAGGCCCAAGAGCTGGGTACCAATGCACTGTACTCACCCCTTTGAAACTTCAGCTTCAGC 788
Db 601 gaggccctgagttgtgtacatgacatgacatccaccccttggaactcagcttcag 660
Oy 789 TCACAGTGTGCTTTCAGCTGCTCTGAAGAAACAACCTTACTGCGGATTGAAGAAACACAC 848
Db 661 tcaagtgatgtctcaactgtctgaaggagagactactgtggaactgtgcagaaacacag 720
Oy 849 TGTGACCATTTGAAACAGTGTATCTCCAGAACCAACCTGTCAAGTATCATGTGTGAG 908
Db 721 tgtgagatcatctggaactgtgtcatctccagagcccaatctgcacagtggtccagtgtag 780
Oy 909 CCTGTATACGACCAAGATTTGGGATCATGAATCTGTAGCCATCCCTGGCCAGCTTCAGC 968
Db 781 ccttgaggagccctgagttgtgtacatgtgactgtcatccaccccttggaactcagc 840
Oy 969 TTTACTCTGCATGTACTCTTCACTGTGCTCAGAGAAGCAACGATTAATTGGGAAGAA 1028
Db 841 ttcacagtaagtgatgtctcaactgtctgaaggagagactgtcactgtggagctgcagaa 900
Oy 1029 ACCATTTGTGATCATCTGGAATCTGTCAAAATCCTAGTCAATATGTCAAAAATTTGAGC 1088
Db 901 aacacagtgtagacatctcggaacatgtcatctccagagccaaatctgcacaaagagcaaac 960
Oy 1089 AAAAGTTTCTCAATGATTAAAGAGGGTGAATTAAACCCCTCTTCAATTCAGTGCAGTC 1148
Db 961 agaagttctcaagaatcaagaagtgtagtacaacccctcttcaatctctgtagcgcgc 1020
Oy 1149 ATGGTTACTGCAATCTCGGGGTGGCATTTATTCATTTGGCTGGCAAGAGATTAAAAAA 1208
Db 1021 atgtcacccgcatctcggggcgtgacatcttccatcttggtcgtggcaagcggtlaaaaaa 1080
Oy 1209 GGCAAGAAATCCAAAGAGATGATGACCATATTAA 1247
Db 1081 ggcagaagaatctcaagaagaagtgtgtagtccatctgga 1119
```

```
RESULT 15
US-10-040-862-210/c
: Sequence 210, Application US/10040862
: GENERAL INFORMATION:
: APPLICANT: Gaiger, Alexander
: APPLICANT: Algate, Paul A.
: APPLICANT: Mannion, Jane
: APPLICANT: Retter, Marc
: APPLICANT: Corixa Corporation
: TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy
: TITLE OF INVENTION: Hematological Malignancies
: FILE REFERENCE: 014058-013520US
: CURRENT APPLICATION NUMBER: US/10/040, 862
: PRIOR FILING DATE: 2001-11-06
: PRIOR APPLICATION NUMBER: US 60/186,126
: PRIOR FILING DATE: 2000-03-01
: PRIOR APPLICATION NUMBER: US 60/190,479
: PRIOR FILING DATE: 2000-03-17
```

```
: PRIOR APPLICATION NUMBER: US 60/200,545
: PRIOR FILING DATE: 2000-04-27
: PRIOR APPLICATION NUMBER: US 60/200,303
: PRIOR FILING DATE: 2000-04-28
: PRIOR APPLICATION NUMBER: US 60/200,779
: PRIOR FILING DATE: 2000-04-28
: PRIOR APPLICATION NUMBER: US 60/200,999
: PRIOR FILING DATE: 2000-05-01
: PRIOR APPLICATION NUMBER: US 60/202,084
: PRIOR FILING DATE: 2000-05-04
: PRIOR APPLICATION NUMBER: US 60/206,201
: PRIOR FILING DATE: 2000-05-22
: PRIOR APPLICATION NUMBER: US 60/218,950
: PRIOR FILING DATE: 2000-07-14
: PRIOR APPLICATION NUMBER: US 60/222,903
: PRIOR FILING DATE: 2000-08-03
: PRIOR APPLICATION NUMBER: US 60/223,416
: PRIOR FILING DATE: 2000-08-04
: PRIOR APPLICATION NUMBER: US 60/223,378
: PRIOR FILING DATE: 2000-08-07
: PRIOR APPLICATION NUMBER: US 09/796,692
: PRIOR FILING DATE: 2001-03-01
: NUMBER OF SEQ ID NOS: 10467
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 210
: LENGTH: 579
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (1)...(579)
: OTHER INFORMATION: n = A,T,C or G
US-10-040-862-210
```

```
Query Match 24.9%; Score 562.2; DB 7; Length 579;
Best Local Similarity 99.1%; Pred. No. 1.6e-139;
Matches 575; Conservative 0; Mismatches 4; Indels 1; Gaps 1;
```

```
Oy 1625 TTGATACATATGTGAATTTGAGACATGTTTCTTGACATCAAAATTTACGTCGTCCT 1684
Db 579 TTGATACATATGTGAATTTGAGACATGTTTCTTGACATCAAAATTTACGTCGTCCT 520
Oy 1685 GTATACCTGTGAGGTACACTCTTATAGAAAGTCAAAAAGTCAACGCTCTCTCTTTTC 1744
Db 519 GTATACCTGTGAGGTACACTCTTATAGAAAGTCAAAAAGTCAACGCTCTCTCTTTTC 460
Oy 1745 TTACTCCAGTGAAGTAATGGGGTCTGCTCAAGTTGAAAAGTCTTATTTACATGTAGC 1804
Db 459 TTACTCCAGTGAAGTAATGGGGTCTGCTCAAGTTGAAAAGTCTTATTTACATGTAGC 400
Oy 1805 CTCGCCGTCTGGAATTTGGACATCTTATTAACGTGGCTTCAGGCTCCCAACCTCTTC 1864
Db 399 CTCGCCGTCTGGAATTTGGACATCTTATTAACGTGGCTTCAGGCTCCCAACCTCTTC 341
Oy 1865 AGCCACCTCTCTTTTTCAGTTGGTGAAGTTCACACCTAGCATCTCATGAGTGCACAGCA 1924
Db 340 AGCCACCTCTCTTTTTCAGTTGGTGAAGTTCACACCTAGCATCTCATGAGTGCACAGCA 281
Oy 1925 AAAGAGAGAAAGAGAAATAGCTGCGCGGTTTTTAAAGTTTGGGGTTTTGCTGTTCC 1984
Db 280 AAAGAGAGAAAGAGAAATAGCTGCGCGGTTTTTAAAGTTTGGGGTTTTGCTGTTCC 221
Oy 1985 TTTTATGAGCCCATCTCTTATTTCTTATAGCAATGTTCTCTTATACAGATATTATAG 2044
Db 220 TTTTATGAGCCCATCTCTTATTTCTTATAGCAATGTTCTCTTATACAGATATTATAG 161
Oy 2045 TAAGAAACATCACTGAATGCTAGCTGCAAGTGAATCTCTTATGATGATATGAGAGA 2104
Db 160 CAAGAAACATCACTGAATGCTAGCTGCAAGTGAATCTCTTATGATGATATGAGAGA 101
Oy 2105 GTTAAACAGGTGAGAAATCTTGAATTCAAATGAATGAAATCTCTCTTCCCTGCCCC 2164
```

Db 100 GTTAAACAGTGGAGAAATTCCTTGATCAATGAATGCTCTCCTTCCCGCC 41
Qy 2165 CAGAACCTTTATCCACTTACTAGATTCTACATATCTTT 2204
Db 40 CAGACCTTTATCCACTTACTAGATTCTACATATCTTT 1

RESULT 16
US-10-040-862-4884/C

; Sequence 4884, Application US/10040862
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; APPLICANT: Retter, Marc
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy
; FILE REFERENCE: 014058-013520US
; CURRENT APPLICATION NUMBER: US/10/040,862
; PRIOR FILING DATE: 2001-11-06
; PRIOR APPLICATION NUMBER: US 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: US 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: US 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: US 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: US 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: US 60/223,378
; PRIOR FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: US 09/796,692
; PRIOR FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 10467
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4884
; LENGTH: 579
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (511)
; OTHER INFORMATION: n-A,T,C or G
US-10-040-862-4884

Query Match 24.9%; Score 562.2; DB 7; Length 579;
Best Local Similarity 99.1%; Pred. No. 1.6e-139;
Matches 575; Conservative 0; Mismatches 4; Indels 1; Gaps 1;
Qy 1625 TTGATACATATGTGAATATGAGTCACTTTCTTGACATCAATTTACAGTGTCTTCT 1684
Db 579 TTGATACATATGTGAATATGAGTCACTTTCTTGACATCAATTTACAGTGTCTTCT 520
Qy 1685 GTTACTGTGGAGTACACTCTTTATAGAAAGTTCAAAAGTCTACGCTCTCTTCTTTC 1744
Db 519 GTTACTGTGGAGTACACTCTTTATAGAAAGTTCAAAAGTCTACGCTCTCTTCTTTC 460
Qy 1745 TAACCTCAGTAGAATATGGGCTCTGCTCAAGTTGAAGAGTCTATTGCACTGAGC 1804

Db 459 TAACCTCAGTAGAATATGGGCTCTGCTCAAGTTGAAGAGTCTATTGCACTGAGC 400
Qy 1805 CTGCGCGTCTGTGAATTTGACACATCTATTATTAAGTGGCTTCCAGGCCCTCCCTTTC 1864
Db 399 CTGCGCGTCTGTGAATTTGACACATCTATTATTAAGTGGCTTCCAGGCCCTCTTC 341
Qy 1865 AGCCACCTCTTTTTCAGTTGGCTGACTTCCACACCTAGACATCTCATGATGSCAAGA 1924
Db 340 AGCCACCTCTTTTTCAGTTGGCTGACTTCCACACCTAGACATCTCATGATGSCAAGA 281
Qy 1925 AAAGAGAGAAAGAGAGAAATAGCTGCGGCTTTTATGTTGGGGTTTGTCTTTC 1984
Db 280 AAAGAGAGAAAGAGAGAAATAGCTGCGGCTTTTATGTTGGGGTTTGTCTTTC 221
Qy 1985 TTTTATGAGACCCATTCCTATTCTTATAGTCAATGTTCTTTATACAGATATTATAG 2044
Db 220 TTTTATGAGACCCATTCCTATTCTTATAGTCAATGTTCTTTATACAGATATTATAG 161
Qy 2045 TTAAGAAACATCACTGAATAGCTAGTCAAGTACATCTTGTGATGTCATATGAGA 2104
Db 160 TTAAGAAACATCACTGAATAGCTAGTCAAGTACATCTTGTGATGTCATATGAGA 101
Qy 2105 GTTAAACAGTGGAGAAATTCCTTGATTCACATGAATGCTCTCTTCCCGCC 2164
Db 100 GTTAAACAGTGGAGAAATTCCTTGATTCACATGAATGCTCTCTTCCCGCC 41
Qy 2165 CAGAACCTTTATCCACTTACTAGATTCTACATATCTTT 2204
Db 40 CAGACCTTTATCCACTTACTAGATTCTACATATCTTT 1

RESULT 17

US-10-040-862-5257/C
; Sequence 5257, Application US/10040862
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; APPLICANT: Retter, Marc
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Ther
; FILE REFERENCE: 014058-013520US
; CURRENT APPLICATION NUMBER: US/10/040,862
; PRIOR FILING DATE: 2001-11-06
; PRIOR APPLICATION NUMBER: US 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: US 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: US 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: US 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: US 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: US 60/223,378
; PRIOR FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: US 09/796,692
; PRIOR FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 10467


```

: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 5257
: LENGTH: 577
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: unsure
: LOCATION: (497)
: OTHER INFORMATION: n-A,T,C or G
US-10-040-862-5257

Query Match      24.3%; Score 549.2; DB 7; Length 577;
Best Local Similarity 99.1%; Pred. No. 4,6e-136;
Matches 573; Conservative 0; Mismatches 3; Indels 2; Gaps 2;

QY 1628 ATACATATGTGAATATGACTAGCTTTCTTGACATGCAAAATTCACGTCGCTTCTGTA 1687
DB 577 ATACATATGTGAATATGACTAGCTTTCTTGACATGCAAAATTCACGTCGCTTCTGTA 518
QY 1688 TACTGTGAGGTACACTCTT-ATAGAAAGTCAAAAAGTCAGCTCTGCTTCTTCTTA 1746
DB 517 TACTGTGAGGTACACTCTTATAGAAAGTCAAAAAGTCAAGCTCTCTCTTCTTCTTA 458
QY 1747 ACTCCAGTGAAGTAATGGGGCTCTGCTCAAGTTGAAAGAGTCTATTGCACTGTAGCCT 1806
DB 457 ACTCCAGTGAAGTAATGGGGCTCTGCTCAAGTTGAAAGAGTCTATTGCACTGTAGCCT 398
QY 1807 GCGCGTCTGTAATGGAGACATCCATTTTAACCTGGCTTAGGCGCTCCACCTTCTTGAG 1866
DB 397 GCGCGTCTGTAATGGAGACATCCATTTTAACCTGGCTTGA-CCCTCCACCTTCTTGAG 339
QY 1867 CCACCTCTCTTTTTCAGTTGGCTGACTTCACACCTAGCATCTCATGATGCGCAAGCAAA 1926
DB 338 CCACCTCTCTTTTTCAGTTGGCTGACTTCACACCTAGCATCTCATGATGCGCAAGCAAA 279
QY 1927 AGGAGAGAGAGAGAAATAGCCTGCGGGTTTTTGAATTTGGGGTTTTTGCTTTCTCTT 1986
DB 278 AGGAGAGAGAGAGAAAGCCTGCGGGTTTTTGAATTTGGGGTTTTTGCTTTCTCTT 219
QY 1987 TTATGAGCCCATTCCTATTTCTTATAGCAATGTTCTTTATACGATATATATAGTA 2046
DB 218 TTATGAGCCCATTCCTATTTCTTATAGCAATGTTCTTTATACGATATATATAGTA 159
QY 2047 AGAAAAACATCACTGAATAGCTAGCTGAAGTGAACATCTCTTGATGTCATATAGGAAGT 2106
DB 158 AGAAAAACATCACTGAATAGCTAGCTGAAGTGAACATCTCTTGATGTCATATAGGAAGT 99
QY 2107 TAAAAACAGTGGAGAAATTCCTTGATTCACAATGAATGCTCTCTTCCCTGCCCCCA 2166
DB 98 TAAAAACAGTGGAGAAATTCCTTGATTCACAATGAATGCTCTCTTCCCTGCCCCCA 39
QY 2167 GAACCTTTATCCACTTACCTAGATTCTACATTTCTTT 2204
DB 38 GAACCTTTATCCACTTACCTAGATTCTACATTTCTTT 1

RESULT 18
US-10-040-862-8471/C
: Sequence 8471, Application US/10040862
: GENERAL INFORMATION:
: APPLICANT: Gaiger, Alexander
: APPLICANT: Algate, Paul A.
: APPLICANT: Mannion, Jane
: APPLICANT: Retter, Marc
: APPLICANT: Corixa Corporation
: TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy
: FILE REFERENCE: 014058-013520US
: CURRENT APPLICATION NUMBER: US/10/040, 862
: CURRENT FILING DATE: 2001-11-06
: PRIOR APPLICATION NUMBER: US 60/186, 126
: PRIOR FILING DATE: 2000-03-01
```

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: PRIOR APPLICATION NUMBER: US 60/190, 479
: PRIOR FILING DATE: 2000-03-17
: PRIOR APPLICATION NUMBER: US 60/200, 545
: PRIOR FILING DATE: 2000-04-27
: PRIOR APPLICATION NUMBER: US 60/200, 303
: PRIOR FILING DATE: 2000-04-28
: PRIOR APPLICATION NUMBER: US 60/200, 779
: PRIOR FILING DATE: 2000-04-28
: PRIOR APPLICATION NUMBER: US 60/200, 999
: PRIOR FILING DATE: 2000-05-01
: PRIOR APPLICATION NUMBER: US 60/202, 084
: PRIOR FILING DATE: 2000-05-04
: PRIOR APPLICATION NUMBER: US 60/206, 201
: PRIOR FILING DATE: 2000-05-22
: PRIOR APPLICATION NUMBER: US 60/218, 950
: PRIOR FILING DATE: 2000-07-14
: PRIOR APPLICATION NUMBER: US 60/222, 903
: PRIOR FILING DATE: 2000-08-03
: PRIOR APPLICATION NUMBER: US 60/223, 416
: PRIOR FILING DATE: 2000-08-04
: PRIOR APPLICATION NUMBER: US 60/223, 378
: PRIOR FILING DATE: 2000-08-07
: PRIOR APPLICATION NUMBER: US 09/796, 692
: PRIOR FILING DATE: 2001-03-01
: NUMBER OF SEQ ID NOS: 10467
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 8471
: LENGTH: 512
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: unsure
: LOCATION: (447)
: OTHER INFORMATION: n-A,T,C or G
: NAME/KEY: unsure
: LOCATION: (450)
: OTHER INFORMATION: n-A,T,C or G
US-10-040-862-8471

Query Match      21.9%; Score 494.2; DB 7; Length 512;
Best Local Similarity 98.8%; Pred. No. 2.1e-121;
Matches 507; Conservative 0; Mismatches 5; Indels 1; Gaps 1;

QY 1707 TATAGAAAGTCAAAAAGTCTACGCTCTCTCTTTCTTAACTCCAGTGAAGTAATGGG 1766
DB 512 TATAGAAAGTCAAAAAGTCTACGCTCTCTCTTTCTTAACTCCAGTGAAGTAATGGG 453
QY 1767 TCTTGTCAAGTTGAAAGAGTCTATTTGACATGAGCTGCGCGTCTGTGAATTTGGAGC 1826
DB 452 TCTTGTCAAGTTGAAAGAGTCTATTTGACATGAGCTGCGCGTCTGTGAATTTGGAGC 393
QY 1827 ATCTATTTAACTGGCTTCAGGCTCCGACCTCTTCTCAGCACCTCTTTTCAAGTTG 1886
DB 392 ATCTATTTAACTGGCTTCA-GCCTCCGACCTCTTCTCAGCACCTCTTTTCAAGTTG 334
QY 1887 GCTGACCTCCACACTACATCATGATGAGTCCCAAGCAAAAGAGAGAGAAATAG 1946
DB 333 GCTGACCTCCACACTACATCATGATGAGTCCCAAGCAAAAGAGAGAGAAATAG 274
QY 1947 CCTGCGGGTTTTTGTAGTTGGGGTTTTGCTGTTCTTTTATAGAACCATTTCTATT 2006
DB 273 CCTGCGTTGTTTTTGTAGTTGGGGTTTTGCTGTTCTTTTATAGAACCATTTCTATT 214
QY 2007 TCTTATAGTCAATGTTCTTTTATACAGATATTTATAGTAAGAAACATCACTGAATGC 2066
DB 213 TCTTATAGTCAATGTTCTTTTATACAGATATTTATAGTAAGAAACATCACTGAATGC 154
QY 2067 TAGTGCAGAGACATCTCTTGTATGTCATATGGAAGAGTTAAACAGGTGGAGAAATTC 2126
DB 153 TAGTGCAGAGACATCTCTTGTATGTCATATGGAAGAGTTAAACAGGTGGAGAAATTC 94
```


QY	2127	CTTATTTCACAAATGAATGCTCTCTCTTTCCCGCCGCCCCAGAACTTTTATCCACTTACT	2186
Db	93	CTTGATTCACAAATGAATGCTCTCTCTTTCCCGCCGCCCCAGAACTTTTATCCACTTACT	34
QY	2187	AGATTCTACATATCTTTTAAATTTCACTTCAG	2219
Db	33	AGATTCTACATATCTTTTAAATTTCACTTCAG	1

```

RESULT 19
US-10-040-862-8405
: Sequence 8405, Application US/10040862
: GENERAL INFORMATION:
: APPLICANT: Gaiger, Alexander
: APPLICANT: Algate, Paul A.
: APPLICANT: Mannion, Jane
: APPLICANT: Retter, Marc
: APPLICANT: Corixa Corporation
: TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy
: FILE OF INVENTION: Hematological Malignancies
: FILE REFERENCE: 014058-013520US
: CURRENT APPLICATION NUMBER: US/10/040, 862
: CURRENT FILING DATE: 2001-11-06
: PRIOR APPLICATION NUMBER: US 60/186,126
: PRIOR FILING DATE: 2000-03-01
: PRIOR APPLICATION NUMBER: US 60/190,479
: PRIOR FILING DATE: 2000-03-17
: PRIOR APPLICATION NUMBER: US 60/200,545
: PRIOR FILING DATE: 2000-04-27
: PRIOR APPLICATION NUMBER: US 60/200,303
: PRIOR FILING DATE: 2000-04-28
: PRIOR APPLICATION NUMBER: US 60/200,779
: PRIOR FILING DATE: 2000-04-28
: PRIOR APPLICATION NUMBER: US 60/200,999
: PRIOR FILING DATE: 2000-05-01
: PRIOR APPLICATION NUMBER: US 60/202,084
: PRIOR FILING DATE: 2000-05-04
: PRIOR APPLICATION NUMBER: US 60/206,201
: PRIOR FILING DATE: 2000-05-22
: PRIOR APPLICATION NUMBER: US 60/218,950
: PRIOR FILING DATE: 2000-07-14
: PRIOR APPLICATION NUMBER: US 60/222,903
: PRIOR FILING DATE: 2000-08-03
: PRIOR APPLICATION NUMBER: US 60/223,416
: PRIOR FILING DATE: 2000-08-04
: PRIOR APPLICATION NUMBER: US 60/223,378
: PRIOR FILING DATE: 2000-08-07
: PRIOR APPLICATION NUMBER: US 09/796,692
: PRIOR FILING DATE: 2001-03-01
: NUMBER OF SEQ ID NOS: 10467
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 8405
: LENGTH: 358
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: unsure
: LOCATION: (259)
: OTHER INFORMATION: n=A,T,C or G
: FEATURE:
: NAME/KEY: unsure
: LOCATION: (273)
: OTHER INFORMATION: n=A,T,C or G
: FEATURE:
: NAME/KEY: unsure
: LOCATION: (278)
: OTHER INFORMATION: n=A,T,C or G
: FEATURE:
: NAME/KEY: unsure
: LOCATION: (306)
: OTHER INFORMATION: n=A,T,C or G
: US-10-040-862-8405

```

	Query Match	15.5%	Score 350.8:	DB 7:	Length 358:	
	Best Local Similarity	98.3%:	Pred. NO. 3.1e-83:			
	Matches 352:	Conservative	0;	Mismatches 6;	Indels 0;	Gaps 0:
Oy	1862	TTTCAGCACAACCTTCTTTTTCAGTTGGGTGACTTCCACACCTTAGCATTCATGAGGCCAA	1921			
Db	1	ttcagcacacctctcttttccagtgcgtgactcccacactgatcatcattgagtgcca	60			
Oy	1922	GCAAAAGCAGAGAGAAGAGAAAATAGCCTGC GCGGTTTTTTTACTTTGGGGGTTTTGCTGTT	1981			
Db	61	gcaaaagagagaagaagaaatagcgctgcgtttttttaagtttgaggggcttttcgtgt	120			
Oy	1982	TCCCTTTATGAGAACCCATCTCCATTTCCTATATGTGCATATTTCTTTTATCAGAGATTAT	2041			
Db	121	tccttttaagagaccatctccattcttatatgaaccaatgcttcttlltaccaagataatt	180			
Oy	2042	TGATAAGAAACATCATCTGAATGCTAGCTGCAGAGCATCTCTTGATGTGCATATGA	2101			
Db	181	tgttaagaaaaaacatcaatcgaaatgcttagctgtaagatgacaatctctlttagtcgcaatgga	240			
Oy	2102	AGAGTTTAAACAGGTGAGAAAAATTCCTTGATTACAAATGAATGAATGCTTCCTTTCCCTGC	2161			
Db	241	agagttaaacaacgcygnaanaaatctcttgatttnacaangaatgctctctctccccgcg	300			
Oy	2162	CCCCAGAACTTTTATTCACCTTACCTAGATTCTACATATTCTTTAAATTTCAATCTCAGG	2219			
Db	301	cccaaaccctttatccaccttaccagatattccacatatcttctaatttcatctccagg	358			

```

RESULT 20
US-10-040-862-6660
; Sequence 6660, Application US/10040862
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; APPLICANT: Retter, Marc
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Ther
; TITLE OF INVENTION: Hematological Malignancies
; FILE REFERENCE: 014058-013520US
; CURRENT APPLICATION NUMBER: US/10/040, 862
; CURRENT FILING DATE: 2001-11-06
; PRIOR APPLICATION NUMBER: US 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: US 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: US 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: US 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: US 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: US 60/223,378
; PRIOR FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: US 09/796,692
; PRIOR FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 10467
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 6660

```

```
; LENGTH: 359
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (142)
; OTHER INFORMATION: n=A,T,C or G
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (270)
; OTHER INFORMATION: n=A,T,C or G
; NAME/KEY: unsure
; LOCATION: (273)
; OTHER INFORMATION: n=A,T,C or G
US-10-040-862-6660
```

```
Query Match 14.7%; Score 332; DB 7; Length 359;
Best Local Similarity 97.5%; Pred. No. 3.2e-78;
Matches 346; Conservative 0; Mismatches 8; Indels 1; Gaps 1;
```

```
OY 25 ACCTCAGACACAGCACAATCCCTTT-GGCAAGAGACTGAGACCCCTTGCTAAGTCAAGA 83
    |||||
Db 5 accctgacgacagcacactccctcttggcgaagacctgagacctgtgctaaagtcaaga 64

OY 84 GCCTCAATGGCTGCAGAGAAGCTAGAGAAGAGACCAAGAACCCATGATATTTCATGG 143
    |||||
Db 65 ggtctcaatggctgcagagaagctagagaagaccgaagcaagccatataattccatgg 124

OY 144 AATGTTCAGACACCCAGAGGACTTATGAACATCTTCAAGTTGTGGGGGTGACAAATG 203
    |||||
Db 125 aaatgtcagacacccagagagacttatgaaacatcttcaagtgtgggggtgacaatg 184

OY 204 CTCGTGTGATTTCTTCTGGACATCATGAACTCTGCTGACTTACCATTTATCTGAA 263
    |||||
Db 185 ctctgtgtgattcttccctggacatactggaacgcagctgtgacttaccatattctgaa 244

OY 264 AAACCAAGACTGGCAAGAGGCTGAAGATTCTGCCGAGACAAATTACAGATTAGTT 323
    |||||
Db 245 aaacccaagactggcaagaggtctanaaanattctgcgagacaattacaacgatttagt 304

OY 324 GCCATCAAAAACAGCGGAAATTGATATCTGGAAGAACTCTGCCCTTCAGTC 378
    |||||
Db 305 gccatcaaaaaacagcggaattagtatctgcgagaacactctgcttcaagcc 359
```

```
RESULT 21
PCT-US02-18947-488
; Sequence 488, Application PC/TUS0218947
; GENERAL INFORMATION:
; APPLICANT: Rosetta Inpharmatics
; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
; FILE REFERENCE: 9301-175-228
; CURRENT APPLICATION NUMBER: PCT/US02/18947
; PRIOR FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 60/380,770
; NUMBER OF SEQ ID NOS: 2699
; SEQ ID NO 488
; LENGTH: 3834
; TYPE: DNA
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: NM_000450
; DATABASE ENTRY DATE: 2001-06-18
PCT-US02-18947-488
```

```
Query Match 13.7%; Score 310; DB 1; Length 3834;
Best Local Similarity 60.6%; Pred. No. 5.8e-72;
Matches 508; Conservative 0; Mismatches 330; Indels 0; Gaps 0;
```

```
OY 242 CTGGACTTACCATTTATCTGAAAAAACCATGAACTGGCAAGGGCTAGAGATTCTGCGG 301
    ||| |||||
Db 179 ctggtcttaacaacaccctccacggaagctatgatgagcgccagtgtctatttctga 238

OY 302 AGACAAATTACAGATTTTATGTTGCCATACAAAACAGCGGAAATTGATCTGGAGAA 361
    ||| |||||
Db 239 gaaagagtaacacacaccctgtgtgcaattcaaaaagaagaatgtgattcctaatacc 298

OY 362 GACTGCCCTTCAGTCTGTTTACTACTGATAGAGATCCGGAATGAGAGGAATATG 421
    ||| |||
Db 299 catattgagcattaccacaagtaattactgattggaatcagaanaaaytaacaaatgtgt 358

OY 422 GACGTGGTGGGAACCAACAAATCTCTCAGTAAGAACAGAGAACTGGGAGATGGTGA 481
    ||| |||||
Db 359 ggtctgggtaggaaaccacgaacccctctgacagaagaagccaagacttggttccaagtg 418

OY 482 GCCCAACAACAAGAAACAAGAGAGACTGCTGAGATCTATATCAAGACAAACAAAGA 541
    |||||
Db 419 acccaacaataggcaaaaagatgagagactcggtgagatctacatacaagagagaaaaa 478

OY 542 TGCAGCAAAATGGAAGATGACGCGCTGCCACAACTAAGGACGCGCTTACACAGC 601
    ||| |||||
Db 479 tgtggcactgtggaatgtatgagaggtgacagaagaagcttgcctcattacacagc 538

OY 602 TTCTTGCAGGCCCTGCTCATGCTGAGGCAATGAGAAATGTAGAAATCATCAATAATCA 661
    |||
Db 539 tgcctgtacccaataacatctctgcagtgagccagcgtgaaatgtgtagagaccataatta 598

OY 662 CACCTGCAACGTGTATGTGGGGTACTATGGGCCCAAGTGTACGTTGTGATTCAGTGA 721
    ||| |||||
Db 599 cacttgcaagtgtagacccttgcttcaagtgagactcaagtgtagaanaattgtgaactgt 658

OY 722 GCCTTTGAGAGGCCAGACCCAGATGACATGACATGTATCCACCCCTTGGAACTTCAG 781
    ||| |||||
Db 659 agcccttgaaacccctctgagctgaaagcctgttctgcagtaaccacatggaacattcag 718

OY 782 CTTAGCTCAGACAGTGTGCTTACGCTGCTGGAAGAAACAACCTTAACCTGGATTGAGA 841
    ||| |||
Db 719 ctacattcttccttgctctatacagctgtgagaggttactctgccaagcagcagtgagac 778

OY 842 AACCACTGTGGACCATTTTGGAACTGTCATCTCCAGAACCAACCTGTCTCAAGTATCA 901
    |||
Db 779 catgcaagtgatgtctctcttgagaaatgagtgctctcattccagccctgcaatgtgtga 838

OY 902 GTGTGAGCCCTTATTCAGACACCATTTTGGGATGATGAACTGTACCCCTGGCCAG 961
    |||||
Db 839 gtgtgagtctgtgacaatccacgccaatggttctgtgaaatgttccaacacccctggaag 898

OY 962 CTTCAAGCTTACCTCTGCAATGATACCTTCATCTGCTCAGAAAGAACTGATTAATTGGAA 1021
    |||||
Db 899 ctcccatggaacacaacacctgtacatttgacttgaagaagatttgaactaatggaagc 958

OY 1022 GAAGAAAACCTTTGTGATATCTGGAATGTGTCAAATCTTACTGTCATATGTCA 1079
    |||
Db 959 ccagagccttcagtgtaacctatctgtggaatcttggaacagagaagccaagctgtgtaa 1016
```

```
RESULT 22
PCT-US02-23913-356
; Sequence 356, Application PC/TUS0223913
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc. et al.
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; FILE REFERENCE: MRI-044PC
; CURRENT APPLICATION NUMBER: PCT/US02/23913
; PRIOR FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 60/307,982
; PRIOR FILING DATE: 2001-07-25
; PRIOR APPLICATION NUMBER: 60/314,356
; PRIOR FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/325,020
```

```

; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 60/341,746
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/362,158
; PRIOR FILING DATE: 2002-03-05
; NUMBER OF SEQ ID NOS: 455
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 356
; LENGTH: 3834
; TYPE: DNA
; ORGANISM: Homo sapiens
PCT-US02-23913-356

```

```

Query Match      13.7%; Score 310; DB 1; Length 3834;
Best Local Similarity 60.6%; Pred. No. 5.8e-72;
Matches 508; Conservative 0; Mismatches 330; Indels 0; Gaps 0;

QY 242 CTGGACTTACCATTTATCTGAAAAACCCATGCAAGGCGTAGAATTCGCCG 301
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 179 ctgctcttaacaacacccccaagagctatgactatgagggcagctctcttctca 238

QY 302 AGACAATTACACAGATTTCATGATGCAAAACAGCGGAAATGATATCGAGAA 361
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 239 gcaaaagttacacacactgtgtgcaattcaaaacaaagaagattgatacctaactc 298

QY 362 GACTCTCCCTTCAGTGTCTTACTGATAGGAATCCGGAAGATAGGAGAAATATG 421
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 299 catattgactatcacaacagttactgtgattgatacgaagaagttcaaaatgctg 358

QY 422 GACGTGGTGGGAAACAACAAATCTCTACTGAAAGACAGAACTGGGAGATGGTGA 481
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 359 ggtctgtgtgagaaacacagaaacctcgacagaagaagcaacggcctccagtgca 418

QY 482 GCCCAACACAGAAAGAAAGAGAGAGCTCGTGAGATCTATATCAAGAAACAAGA 541
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 419 acccaacaataggcaaaagattgagagctgctgagatctcaacagagagaagaaga 478

QY 542 TGCAGGCAATGAGACATGACGCTGCCAACAATTAAGGACGCTCTGTTACACAGC 601
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 479 tgttgggcatgtgaaatgaaatgagagtgcaagaagaagcttgcctatgctcaacagc 538

QY 602 TTCTTGGCACCCCTGCTGACAGTGCATGAGATGTAATGTAATCAATAATCA 661
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 539 tgcctgtacaataatcaccgcagtgccagtgcaagtgatgagacatcaataatca 598

QY 662 CACCTGCACTGTGATGAGGAGTACTATGAGCCCACTGACCTTGTGATTCAGTGA 721
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 599 caattgcaagtgtagaccctgtcagtgtagctcaagtgtagcaaaattgtagactgtac 658

QY 722 GCCTTGGAGGCCCCAGAGCTGGGTACCATGAGCTGACTACCCCTTTGGAACCTTCAG 781
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 659 agacctgtgaatccctcctgagaaatgaaagcctgtgtcagtcacccacatgggaaacctcag 718

QY 782 CTTCAGCTCAGCAGTGCTCTTCAAGCTGCTGAAAGAAACAACCTTAATCGGATTTGAGA 841
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 719 ctacaattctctcctgtcctacagctgtgataagggttacctccgaagcaagcagagagac 778

QY 842 AACCACTGTGAGCAATTTGGAAACTGGTCATCTCCAGAAACAACCTGTCAAGTGATTC 901
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 779 catgcaagtgtatgtctcctgtgagaaatgagtgctcctcattccagccagcaatgtgtgta 838

QY 902 GTGTGAGCTCTATACGACACAGATTTGGGATCATGACTATGACCATCCCTGGCCAG 961
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 839 gtgtgagctgtgacaatccacaaatgggtgtgtgtgaaatgttccaaaacctgtgaaag 898

QY 962 CTTCAGCTTACCTCTGATCATCTGATCATCTGCTCAGAGAACTAGTTAATTTGGGAA 1021
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 899 ctcccatgtgaacaacacactgtacattgactgtgaagaagatttgaactaaatgggaagc 958

QY 1022 GAAGAAAAACCATTTGTGAATCATCTGGAATCTGGTCAAAATCTAGTCCAAATATGTCAA 1079
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 959 ccagagaccttcagtgtaacctcatctgtggaatttgagacacagagaagcaacgltgtaaa 1016

```

```

RESULT 23
US-10-205-823-356
; Sequence 356, Application US/10205823
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Monahan, John E.
; APPLICANT: Endege, Wilson O.
; APPLICANT: Gannavarapu, Manjula
; APPLICANT: Gorbacheva, Bella
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Kamatkar, Shubhangl
; APPLICANT: Monsey, Angela M.
; APPLICANT: Gialt, Karen
; APPLICANT: Zhao, Xunel
; APPLICANT: Anderson, Dustin
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF PROSTATE CANCER
; FILE REFERENCE: MRI-044
; CURRENT APPLICATION NUMBER: US/10/205,823
; PRIOR FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 60/307,982
; PRIOR FILING DATE: 2001-07-25
; PRIOR APPLICATION NUMBER: 60/314,356
; PRIOR FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/325,020
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 60/341,746
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/362,158
; PRIOR FILING DATE: 2002-03-05
; NUMBER OF SEQ ID NOS: 455
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 356
; LENGTH: 3834
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-205-823-356

Query Match      13.7%; Score 310; DB 6; Length 3834;
Best Local Similarity 60.6%; Pred. No. 5.8e-72;
Matches 508; Conservative 0; Mismatches 330; Indels 0; Gaps 0;

QY 242 CTGGACTTACCATTTATCTGAAAAACCCATGCAAGGCGTAGAATTCGCCG 301
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 179 ctgctcttaacaacacccccaagagctatgactatgagggcagctctcttctca 238

QY 302 AGACAATTACACAGATTTCATGATGCAAAACAGCGGAAATGATATCGAGAA 361
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 239 gcaaaagttacacacactgtgtgcaattcaaaacaaagaagattgatacctaactc 298

QY 362 GACTCTCCCTTCAGTGTCTTACTGATAGGAATCCGGAAGATAGGAGAAATATG 421
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 299 catattgactatcacaacagttactgtgattgatacgaagaagttcaaaatgctg 358

QY 422 GACGTGGTGGGAAACAACAAATCTCTACTGAAAGACAGAACTGGGAGATGGTGA 481
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 359 ggtctgtgtgagaaacacagaaacctcgacagaagaagcaacggcctccagtgta 418

QY 482 GCCCAACACAGAAAGAAAGAGAGAGCTCGTGAGATCTATATCAAGAAACAAGA 541
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 419 acccaacaataggcaaaagattgagagctgctgagatctcaacagagagaagaaga 478

QY 542 TGCAGGCAATGAGACATGAGCCTGCCAACAATTAAGGACGCTCTGTTACACAGC 601
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 479 tgttgggcatgtgaaatgaaatgagagtgcaagaagaagcttgcctatgctcaacagc 538

QY 602 TTCTTGGCACCCCTGCTGACAGTGCATGAGATGTAATGTAATCAATAATCA 661
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 539 tgcctgtacaataatcaccgcagtgccagtgcaagtgatgagacatcaataatca 598

```

```
OY 662 CACCTGCAACTGTGATGTGGGGTACTATGCGCCCACTGTGACCTTGTGATTCAGTGTGA 721
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 599 cacttgcaagtgtgaccctggctcagtggtaccgaagtgtggaacaattgtgacactgtac 658
OY 722 GCGTTTGAAGGCCAGAGCTGGGTACATGACGTGTACTACCCCTTTGGAACCTTCAG 781
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 659 agccctggatccctcgatgaaagcgtgttgcaagccaccactgggaacctcag 718
OY 782 CTTCAGCTTACAGTGTGCTTCCCTGCTGCTGTGAGAACAACTTAACTGAGTTAAGA 841
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 719 ctacaattctctctctcatalcagctglataggggttaacctgccaagacgtggaagc 778
OY 842 AACCACTGTGACCACTTGAAGTGTATCTCCAGAACCACTGCAAGTGTGATTCGA 901
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 779 catgcaagtatgctctcctcggaagatgagtgctcctatccagctgcaagtgtgtga 838
OY 902 GTGTGAGCCTTATACGACACCGAGATTGGGATCATGAACGTGAGCCATCCCTGGCCAG 961
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 839 gtgtatgtctgtgacaaatccagccaatgtgttcgtgagtgttccaaaccctggaag 898
OY 962 CTTCAGCTTACCTGTGATGACTTACCTGCTGCTGCAAGAACGAGTTAATTGGGAA 1021
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 899 ctcccaatggaacaacaactgtacattgtgacgtggaagaagattgaaactaattggaagc 958
OY 1022 GAAGAAAACCAATTGTGAATCATCTGGAATCTGTCAAACTCTAGTCAATATGTCAA 1079
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 959 ccagagcctcagtgtaacctcatcttggaattggaacaagagaagccaagctgtataa 1016
```

RESULT 24
US-10-007-926A-261

```
; Sequence 261, Application US/10007926A
; GENERAL INFORMATION:
; APPLICANT: BERTUCCI, FRANCOIS
; APPLICANT: HOUIGATTE, REMI
; APPLICANT: BIRNBAUM, DANIEL
; APPLICANT: NGUYEN, CATHERINE
; APPLICANT: VIENS, PATRICE
; APPLICANT: FERT, VINCENT
; TITLE OF INVENTION: GENE EXPRESSION PROFILING OF PRIMARY BREAST CARCINOMAS
; TITLE OF INVENTION: USING ARRAYS OF CANDIDATE GENES
; FILE REFERENCE: 1346-R-00
; CURRENT APPLICATION NUMBER: US/10/007,926A
; CURRENT FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: 60/254,090
; PRIOR FILING DATE: 2000-12-08
; NUMBER OF SEQ ID NOS: 468
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 261
; LENGTH: 3834
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: selectin e (endothelial adhesion molecule 1)
; OTHER INFORMATION: (SELE) gene.
US-10-007-926A-261
```

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Query Match 13.7%; Score 310; DB 7; Length 3834;
Best Local Similarity 60.6%; Pred. No. 5.8e-72;
Matches 508; Conservative 0; Mismatches 330; Indels 0; Gaps 0;

OY 242 CTGCACTTACATTAATTTGAAAAACCATGAACTGCAAAAGGGCTAGAAGATTCTGCGC 301
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 179 ctgtcttcaacaacctccaaggaagtactatgataagagccagtgcttattgtca 238
OY 302 AGACAATTACACAGATTTAGTCCATACAAACAAGGCGGAATTTGATCTCGAGAA 361
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 239 gcaaaagtacacacccgtgtgcatccaacaagaagaagattggttacctaactc 298
OY 362 GACCTGTGCCCTTCACTGCTTCTACTGATATGATCCGGAAGATAGAGAGAAATG 421
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
```

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Db 299 catattgagctatccaagaattattactgagatltgaaatcagaaaaaaacaactgtgt 358
OY 422 GACGTGGGTGGGACCAAAATCTCTCACTGAACAGCAGAACTGGGAGATGTGA 481
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 359 ggtctgggaagaaaccagaacctctgacagaagaaccagaactgtgtctccaggtga 418
OY 482 GCCCAACACAAAGAAAGAAAGAGAGACTGCTGAGATCTTATTCAGAGAAAGAA 541
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 419 acccaacaataagcaaaaagatgaaagtgtgtgagatctacatacaagaagaataaga 478
OY 542 TGCAGGCAAAATGAAAGATGACGCTGCCACAACTAAAGCGACCTGTTACAGAC 601
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 479 tgtgggcatgtgaaatgataagaggtgtgcaagaagaagcttgccatctacacagc 538
OY 602 TTCTTGCCAGCCCTGGTATGCAATGAGCCATGGAATATGTGAAATCATCAATATCA 661
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 539 tgcctgtacaaatacatctcagtgagcccaagtgaaatgtgtatgagacataaata 598
OY 662 CACCTGCAACTGTGATGTGGGGTACTATGCGCCCACTGATGAGTGTGATTCAGTGTGA 721
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 599 cacttgcaagtgtgaccctggctcagtggtaccgaagtgtggaacaattgtgacactgtac 658
OY 722 GCGTTTGAAGGCCAGAGCTGGGTACATGAGACTGTACTACCCCTTTGGAACCTTCAG 781
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 659 agccctggatccctcgatgaaagcgtgttgcaagccaccactgggaacctcag 718
OY 782 CTTCAGCTTACAGTGTGCTGCTGCTGCAAGAACCAACTTAACTGAGATTGAA 841
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 719 ctacaattctctctcatalcagctgtgataaggggttaacctgccaagacagaggaagc 778
OY 842 AACCACTGTGACCACTTGAAGTGTATCTCCAGAACCACTGCAAGTGTGATTCGA 901
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 779 catgcaagtatgctctcctcggaagatgagtgctcctatccagctgcaagtgtgtga 838
OY 902 GTGTGAGCCTTATACGACACCGAGATTGGGATCATGAACGTGAGCCATCCCTGGCCAG 961
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 839 gtgtatgtctgtgacaaatccagccaatgtgttcgtgagtgttccaaaccctggaag 898
OY 962 CTTCAGCTTACCTGTGATGACTTACCTGCTGCTGCAAGAACGAGTTAATTGGGAA 1021
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 899 ctcccaatggaacaacaactgtacattgtgacgtggaagaagattgaaactaattggaagc 958
OY 1022 GAAGAAAACCAATTGTGAATCATCTGGAATCTGTCAAACTCTAGTCAATATGTCAA 1079
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 959 ccagagcctcagtgtaacctcatcttggaattggaacaagagaagccaagctgtataa 1016
```

RESULT 25

```
US-10-172-118-488
; Sequence 488, Application US/10172118
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: He, Yudong
; APPLICANT: Linsley, Peter
; APPLICANT: Mao, Mao
; APPLICANT: Roberts, Chris
; APPLICANT: Van 't Veer, Laura
; APPLICANT: Van de Vijver, Marc
; APPLICANT: Bernards, Rene
; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
; FILE REFERENCE: 9301-175-999
; CURRENT APPLICATION NUMBER: US/10/172,118
; CURRENT FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 60/380,770
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 2699
; SEQ ID NO 488
; LENGTH: 3834
; TYPE: DNA
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: NM_000450
; DATABASE ENTRY DATE: 2001-06-18
```



```
; Sequence 633, Application US/09442384B
; GENERAL INFORMATION:
; APPLICANT: Chenchik, Alex
; APPLICANT: Lukashay, Matvey
; TITLE OF INVENTION: Hematology/Immunology Array
; FILE REFERENCE: CION-006CIP15
; CURRENT APPLICATION NUMBER: US/09/442,384B
; CURRENT FILING DATE: 1999-11-17
; PRIOR APPLICATION NUMBER: 09/053,375
; PRIOR FILING DATE: 1998-03-31
; NUMBER OF SEQ ID NOS: 830
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 633
; LENGTH: 3856
; TYPE: DNA
; ORGANISM: homo sapiens
; US-09-442-384B-633

Query Match      13.7%; Score 310; DB 5; Length 3856;
Best Local Similarity 60.6%; Pred. No. 5.8e-72;
Matches 508; Conservative 0; Mismatches 330; Indels 0; Gaps 0;

OY 242 CTGGACTTACCTTATTCGAAAAAACCCTGAACTGGCAAAGGCTAGAGATTCTGCCG 301
    ||||| ||||| || ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 203 ctggtcttcaaacaccctcagcagctatgactatgctgagcagctatgctatgctca 262

OY 302 AGACATTTACAGATTGTTAGTGCATACAAACAAAGCGGAAATTTGACTATCGAGAA 361
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 263 gtaaaagctacacacaccctggttgcaattcaaaaagaagaagattgtaacctaaacc 322

OY 362 GACTCTGCCCTTCACTGCTTCTTACTGATAGGAATCCGAAAGATAGAGGAATATG 421
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 323 catattgcatctaccacagttactactgattgtaattcagaagaagtaacaatgctg 382

OY 422 GACGTGGGTGGGAACCAACAATCTCTCACTGAAGAGCAGAGAACTGGGGAGATGCTGA 481
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 383 gctcgggaggaagaccacagaaacctctgacagaagaagcgaagactcggctccaggtga 442

OY 482 GCCCAACAACAAGAACAAGAGAGAGCTGCGTGGAGATCTATATACAGAGAAACAAGA 541
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 443 acccaacaatagtcacaaaagaatgagactcgctgagatctcacaagaagagaaaga 502

OY 542 TGCAGGCAATGAAGATGACGCTGCCACAACCTAAAGCGACGCTCTGTTACACAGC 601
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 503 tctgagcactgtagaagtgagaggttgcaagcaagaagactgctccatgtaacacagc 562

OY 602 TTCTTGCCAGCGCTGTGATGAGGCGCATGAGAAATGTGAGAAATCATCAATATCA 661
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 563 tgcctgtaaccaatacattccctgcaagtcgcaacgctgtaattgtagaacatcaatla 622

OY 662 CACCTGCAACTGTGATGTTGGGTACTATGAGGCCCATGTCAGCTTGTGATTCAGTGA 721
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 623 cacttgcaagtgtagccctgctcagtgagactcaagtgtagcaaatgtagaactgtac 682

OY 722 GCTTTGAGAGGCCCAAGAGCTGGGTACCATGAGACTGTACTACCCCTTTGAAACTTGA 781
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 683 agcccttgatccctcgagcagctgtagaagcctgttgtagcagtaaccacacgtagaact 742

OY 782 CTTCAGCTCACAGCTGCTCACTGCTCTGAAGAGAAACAATTAATCTGGGATTTGAAGA 841
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 743 ctacaattcttcctgctctacacagctgtagaagggctactcgcgaagcagcattgagac 802

OY 842 AACCACTGTGAGCACTTTGGAAACTGTCATCTCCAGAACCAACTCTCAAGATTTGCA 901
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 803 catgcaagtgatgtcctctgtagaagtgagctcctcattccagcctgcaatgtagtga 862

OY 902 GTTGAGGCTCTATTCAGCACAAGATTGGGATCATGAACTGTAGCCATCCCTGGCCAG 961
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 863 gtgtagatgctgtgacaataccagcaatggtgtgtagaacttccaaaacccctgtag 922

OY 962 CTTCAGCTTACCTCTGATCTATCTTACCTTGTGCTCANAAGAAAGAAATTAATTTGGAA 1021
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
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Db 923 ctcccatggaacacacactgtacatttgactgtgagaagattgtaactaattgagac 982
OY 1022 GAAGAAACCACTTGTGATCATCTGGAATCTGNGCAATCTACTGCAATATGCA 1079
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 983 ccagaccttcagtgtaacctcctggaattggaacacagagaagccacagctglaa 1040

RESULT 28
US-10-040-862-2625/C
; Sequence 2625, Application US/10040862
; GENERAL INFORMATION:
; APPLICANT: Galger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; APPLICANT: Retter, Marc
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Ther
; FILE REFERENCE: 014058-013520US
; CURRENT APPLICATION NUMBER: US/10/040,862
; CURRENT FILING DATE: 2001-11-06
; PRIOR APPLICATION NUMBER: US 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: US 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: US 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: US 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: US 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: US 60/223,378
; PRIOR FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: US 09/796,692
; PRIOR FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 10467
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2625
; LENGTH: 326
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-040-862-2625

Query Match      13.1%; Score 295.6; DB 7; Length 326;
Best Local Similarity 98.2%; Pred. No. 1.6e-68;
Matches 320; Conservative 0; Mismatches 4; Indels 2; Gaps 2;

OY 305 CAATTACACAGATTTAGTTCGATACAAACACAGCGGAAATGAGTATCTGAGAGAC 364
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 326 CAATTACACAGATTTAGTTCGATACAAACAGCGGAAATGAGTATCTGAGAGAC 267

OY 365 TCTCCCTTCACTGCTTCTACTAC-TGGATAGAAATCCGGAAGATAGAGAAATATGA 423
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 266 TCTCCCTTCACTGCTTCTACTAC-TGGATAGAAATCCGGAAGATAGAGAAATATGA 207

OY 424 C-GTGGGTGGGAACCAACAATCTCTCACTGGAAGACAGAGAACTGGGAGATGGAG 482
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 206 CGGTGGGTGGGAACCAACAATCTCTACTGGAAGACAGAGAACTGGGAGATGGAG 147

OY 483 CCCAACAACAAGAAGAAGAGAGACTGCGTGAGATCTATCAAGAAACAAGAT 542
```

Db 146 CCCAACAAAGAAAGAACAGAGAGACTGCGTGGAGATCTATATCAAGAACAAAGAT 87
Qy 543 GCAGGCAAAATGGAACGATGAGCCTTGGCCACAAATAAGAGAGCCCTCTGTACAGCT 602
Db 86 GCAGGCAAAATGGAACGATGAGCCTTGGCCACAAATAAGAGAGCCCTCTGTACAGCT 27
Qy 603 TCTTGCCAGCCCTGTGATGAGTGG 628
Db 26 TCTTGCCAGCCCTGTGATGAGTGG 1

RESULT 29
US-09-442-384B-631
; Sequence 631, Application US/09442384B
; GENERAL INFORMATION:
; APPLICANT: Chenchik, Alex
; APPLICANT: Lukashov, Matvey
; TITLE OF INVENTION: Hematology/Immunology Array
; FILE REFERENCE: CLON-006CIP15
; CURRENT APPLICATION NUMBER: US/09/442,384B
; CURRENT FILING DATE: 1999-11-17
; PRIOR APPLICATION NUMBER: 09/053,375
; PRIOR FILING DATE: 1998-03-31
; NUMBER OF SEQ ID NOS: 830
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 631
; LENGTH: 3142
; TYPE: DNA
; ORGANISM: homo sapiens
US-09-442-384B-631

Query Match 13.1%; Score 294.8; DB 5; Length 3142;
Best Local Similarity 57.3%; Pred. No. 6.1e-68;
Matches 533; Conservative 0; Mismatches 397; Indels 0; Gaps 0;

Qy 150 CAGAGCAACCCGAGGAGACTTATGGAACATCTTCAAGTTGTGGGGGTGGACAATGCTGT 209
Db 69 cagagatccagagagtggtcttggaaattcccaactcttctcagtcgacctgac 128
Qy 210 TGTGATTTCTGCGACATCATGGAACCTACTGCTGACTTACATTAATTTGAAAACCC 269
Db 129 tctgaactaaacacgaagaagtgtgcagcatgacttacttaacagacaaga 188
Qy 270 ATGAATGCGCAAGGCTAGAGATTCTGCCGAGACAATTACAGAGATTTAGTCCCTA 329
Db 189 tactcatggaatatttccgttaaaactgccaagatcgctacacagactagtgccatc 248
Qy 330 CAAACAAAGCGGAAATTTAGTATCTGGAGAACTCTGCCCTTCAGTCGTTCTTATAC 389
Db 249 cagaataaaaaatgaaatgattacctaataaagttccactactacagctcctactac 308
Qy 390 TGGATAGGAATCCGGAAGATAGGAGATATGAGAGTGGGTGGAGAACCAAAATCTCTC 449
Db 309 tggatttggtatccgaagaagaacaataagacatgagcaatggtgggaaccaaagaagctctc 368
Qy 450 ACTGAGAGACGAGAACTGGGGAGATGCTGAGCCCAACAAAGAGACAGACAGAGC 509
Db 369 acccaacagagctggaactggctgatatgaactaaacaaagaagaaacagaagac 428
Qy 510 TGGGTGAGATCTATATCAAGAAACAAAGATGAGCAATGCAAGATGAGAGCCCTGC 569
Db 429 tgggttgagataatacaaaagatccgtcaagcccttgcaagtggaatgagagcaatgc 488
Qy 570 CACAACTAAAGAGAGCCCTCTGTACAGACTTCTTGCCAGCCCTGTGATGAGTGGC 629
Db 489 ttgaagaaaaagacagactgtgttaacacagctccctcgcagagacatgctcctgaagcaaa 548
Qy 630 CATGGAAGATGTGAATATCATCATATATACACCTGCAACTGTGATGTGGGATCAT 689
Db 549 caagagagtgctcccgagacatcggaactacacactgctcctgtttacccgagttcat 608

Qy 690 GGGCCCGAGTGTGAGCTTGTGATTCAGTGTGAGGCTTTGGAGGCCCGAGACTGGGTAAC 749
Db 609 gggccagagatgtgatactagtgagagagtggtgagaaacttgagctccctcaacacagtgctc 668
Qy 750 ATGAGCTGTACTCACCCCTTTGGAAACTTACGCTTACAGTGTGCTTACGCTGC 809
Db 669 atgagctgcagccaccccttggaactctcttlaactcgagctgcagcttccacatgc 728
Qy 810 TCTGAGGAACAAACTTAACTGAGGATTGAAAGAACCAACACCTGTGACCATTTGGAAACTGG 869
Db 729 actgcagtgtaaccaagtaaaaggcccaagcaagctggaatgcttggtcttcgaaatctgcg 788
Qy 870 TCATCTCCGAACCAACCTGTCAAGTGAATTCAGTGTGAGGCTTATGACACCAAGATTG 929
Db 789 acaataaagcttcccaagtggttagctgcgcagcgccacccctcgaagattccgaaga 848
Qy 930 GGGATCATGAACTGTAGGCAATCCCTGGCCACGCTTACAGCTTGTACATGATCTTC 989
Db 849 ggaacatgactgtccttactatctgcgaagaagcatccagcatcagctagctgcagcttc 908
Qy 990 ATCTGCTCAGAGGAGACGTAATGGAAGAAAGAAACCAATTTGCAATCATCTGGA 1049
Db 909 agtctgaaagagagatgtgcatgtgtgaccggaagtgtgcaatgcaacagcttcgagg 968
Qy 1050 ATCTGCTCAAACTCCTAGTCAATATGTCAA 1079
Db 969 gtatggaagcccaagcccaagctgtgtgtaa 998

RESULT 30
US-10-035-832-1385
; Sequence 1385, Application US/10035832
; GENERAL INFORMATION:
; APPLICANT: Morris, David
; APPLICANT: Engelhard, Eric
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: A-71249/RMS/DCF
; CURRENT APPLICATION NUMBER: US/10/035,832
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 1613
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1385
; LENGTH: 35658
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: misc-feature
; LOCATION: (11014)..(11033)
; OTHER INFORMATION: "n" at positions 11014 thru 11033 can be any base
; FEATURE:
; NAME/KEY: misc-feature
; LOCATION: (16841)..(17468)
; OTHER INFORMATION: "n" at positions 16841 thru 17468 can be any base
; FEATURE:
; NAME/KEY: misc-feature
; LOCATION: (34295)..(34632)
; OTHER INFORMATION: "n" at positions 34295 thru 34632 can be any base
; NAME/KEY: misc-feature
; LOCATION: (35541)..(35658)
; OTHER INFORMATION: "n" at positions 35541 thru 35658 can be any base
US-10-035-832-1385

Query Match 12.8%; Score 289.2; DB 6; Length 35658;
Best Local Similarity 83.8%; Pred. No. 4.8e-66;
Matches 327; Conservative 0; Mismatches 63; Indels 0; Gaps 0;

Qy 213 GATTTCCTGCGACATCATGGAACCTACTGCTGAGCTTACCATTTATTTGAAAAACCCATG 272


```
Db 10000 gacttcctgatacacacggaactcgtctggaacttaccattatctcgaagcccatg 10059
OY 273 AACTGGCAAGGGGCTAGAGATTCTGCCGAGAAATTACACAGATTAGTGGCATACAA 332
10060 aactgsgaanaatgctagaagaatcttcgaagcaaatataccagatttagtcgcatacaa 10119
OY 333 AACAGCGCGAAATTGATGATCTGGAGAAAGACTCTGCCCTTCACTGCTTCTACTG 392
10120 aacacagagaagaattgatactttagagaatacactgcccacaaagcccttactactg 10179
OY 393 ATAGGAATCCGGAAGATAGAGGAATATGAGACGTGGTGGGAGCAACAAATCTCAGC 452
10180 ataggaaatcagaagaatctgggaaatctggaacatggtggtggaacacaaactccact 10239
OY 453 GAAGAGCAGAGAGAGTGGGAGATGCTGAGCCCAACACAGAAAGAAACAGAGAGACTGC 512
10240 aagaagacagagaaactgggtggtggtggtggtggtggtggtggtggtggtggtggtg 10299
OY 513 GTGGAGATCTATATCAAGAGAAACAAAGATGACAGCAATGACAGTACGCTGCCAC 572
10300 gtgagatctatatacaagaggaacgagactctggaatggaacgagctgctc 10359
OY 573 AACCTAAGGACGCCCTCTGTACACAGCT 602
Db 10360 aacgaagaagcagcctctcgtacacagct 10389
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RESULT 31
US-09-442-366A-1202
; Sequence 1202, Application US/09442366A
; GENERAL INFORMATION:
; APPLICANT: Chenchik, Alex
; APPLICANT: Lukashov, Matvey E.
; TITLE OF INVENTION: Human Array
; FILE REFERENCE: CLON-006CIP13
; CURRENT APPLICATION NUMBER: US/09/442,366A
; CURRENT FILING DATE: 1999-11-17
; PRIOR APPLICATION NUMBER: 09/053,375
; PRIOR FILING DATE: 1998-03-31
; NUMBER OF SEQ ID NOS: 2216
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 1202
; LENGTH: 274
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic gene fragment
US-09-442-366A-1202
```

```
Query Match 11.9%; Score 269.2; DB 5; Length 274;
Best Local Similarity 98.9%; Pred. No. 1.6e-61;
Matches 271; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 222 GCACATCATGGAACCTACTGCTGGAGCTTACCATTTATTCGAAAACCCATGAATGGCAA 281
1 gacatcatcaggaacccgacgctgacttaccattatctcgaaaacccatgactgcaaa 60
Db 1 gacatcatcaggaacccgacgctgacttaccattatctcgaaaacccatgactgcaaa 60
OY 282 AGGGCTAGAGAATTCGCGGAGACAATTACAGATTGTTGGTCCATACAAAACAAGGGG 341
61 agggctagagaatctcgccgagacaattacacagatttctgccaataaacaagagcg 120
Db 61 agggctagagaatctcgccgagacaattacacagatttctgccaataaacaagagcg 120
OY 342 GAAATGATATCTGAGAGAAGACTGCGCTTCACTGCTTCTACTACTGATAGGAATC 401
121 gaaatgatctctgagagaagactcgcttctcagtcgttcttactactgataagaaac 180
Db 121 gaaatgatctctgagagaagactcgcttctcagtcgttcttactactgataagaaac 180
OY 402 CGGAAGATAGGAGGAATATGACGTGGTGGGAACCAACAATCTCTCACTGAAGAACA 461
181 cggaagatagggagaatattgacgtgggtgggaacccaacaactcttactgagaagaa 240
Db 181 cggaagatagggagaatattgacgtgggtgggaacccaacaactcttactgagaagaa 240
OY 462 GAGAACTGGGGAGATGCTGAGCCCAACAACAAGA 495
1 gagaactggggagatgctgagcccaacaacaaga 495
```

```
Db 241 gagaactggggagatgctgagcccaacaacaaga 274
RESULT 32
US-09-442-384B-210
; Sequence 210, Application US/09442384B
; GENERAL INFORMATION:
; APPLICANT: Chenchik, Alex
; APPLICANT: Lukashov, Matvey
; TITLE OF INVENTION: Hematology/Immunology Array
; FILE REFERENCE: CLON-006CIP15
; CURRENT APPLICATION NUMBER: US/09/442,384B
; CURRENT FILING DATE: 1999-11-17
; PRIOR APPLICATION NUMBER: 09/053,375
; PRIOR FILING DATE: 1998-03-31
; NUMBER OF SEQ ID NOS: 830
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 210
; LENGTH: 273
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Nucleic Acid Probe.
US-09-442-384B-210
```

```
Query Match 11.9%; Score 268.2; DB 5; Length 273;
Best Local Similarity 98.9%; Pred. No. 2.9e-61;
Matches 270; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 222 GCACATCATGGAACCTACTGCTGGAGCTTACCATTTATTCGAAAACCCATGAATGGCAA 281
1 gacatcatcaggaacccgacgctgacttaccattatctcgaaaacccatgactgcaaa 60
Db 1 gacatcatcaggaacccgacgctgacttaccattatctcgaaaacccatgactgcaaa 60
OY 282 AGGGCTAGAGAATTCGCGGAGACAATTACAGATTGTTGGTCCATACAAAACAAGGGG 341
61 agggctagagaatctcgccgagacaattacacagatttctgccaataaacaagagcg 120
Db 61 agggctagagaatctcgccgagacaattacacagatttctgccaataaacaagagcg 120
OY 342 GAAATGATATCTGAGAGAAGACTGCGCTTCACTGCTTCTACTACTGATAGGAATC 401
121 gaaatgatctctgagagaagactcgcttctcagtcgttcttactactgataagaaac 180
Db 121 gaaatgatctctgagagaagactcgcttctcagtcgttcttactactgataagaaac 180
OY 402 CGGAAGATAGGAGGAATATGACGTGGTGGGAACCAACAATCTCTCACTGAAGAACA 461
181 cggaagatagggagaatattgacgtgggtgggaacccaacaactcttactgagaagaa 240
Db 181 cggaagatagggagaatattgacgtgggtgggaacccaacaactcttactgagaagaa 240
OY 462 GAGAACTGGGGAGATGCTGAGCCCAACAACAAG 494
241 gagaactggggagatgctgagcccaacaacaag 273
Db 241 gagaactggggagatgctgagcccaacaacaag 273
```

```
RESULT 33
US-09-918-995-20021
; Sequence 20021, Application US/09918995
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO: 20021
; LENGTH: 438
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-918-995-20021
```

```
Query Match 11.1%; Score 250.6; DB 5; Length 438;
```



```

: PRIOR FILING DATE: 2000-05-22
: PRIOR APPLICATION NUMBER: US 60/218,950
: PRIOR FILING DATE: 2000-07-14
: PRIOR APPLICATION NUMBER: US 60/222,903
: PRIOR FILING DATE: 2000-08-03
: PRIOR APPLICATION NUMBER: US 60/223,416
: PRIOR FILING DATE: 2000-08-04
: PRIOR APPLICATION NUMBER: US 60/223,378
: PRIOR FILING DATE: 2000-08-07
: PRIOR APPLICATION NUMBER: US 09/796,692
: PRIOR FILING DATE: 2001-03-01
: NUMBER OF SEQ ID NOS: 10467
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 6676
: LENGTH: 204
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: unsure
: LOCATION: (18)
: OTHER INFORMATION: n=A,T,C or G
: FEATURE:
: NAME/KEY: unsure
: LOCATION: (136)
: OTHER INFORMATION: n=A,T,C or G
: FEATURE:
: NAME/KEY: unsure
: LOCATION: (147)
: OTHER INFORMATION: n=A,T,C or G
: FEATURE:
: NAME/KEY: unsure
: LOCATION: (171)
: OTHER INFORMATION: n=A,T,C or G
: FEATURE:
: NAME/KEY: unsure
: LOCATION: (179)
: OTHER INFORMATION: n=A,T,C or G
: US-10-040-862-6676

Query Match      8.8%  Score 199;  DB 7;  Length 204;
Best Local Similarity 97.5%;  Pred. No. 7,4e-43;
Matches 199;  Conservative 0;  Mismatches 5;  Indels 0;  Gaps 0;

QY  1097 CTCATGATTTAAGAGGGGTGATTATAACCCCTCTTCATTCCAGTGGCAGTCATGTTAC 1156
      |||
Db   204 CTCATGATTTAAGAGGGGTGATTATNACCCCTNTTCATTCCAGTGGCAGTCATGTTAC 145
      |||

QY  1157 TGCATTCCTCGGTGGCATTTATCATTTGGCTGGCAAGAGATTAAGCAAGAA 1216
      |||
Db   144 TGCATTCCTNCGGTGGCATTTATCATTTGGCTGGCAAGAGATTAAGCAAGAA 85
      |||

QY  1217 ATCCAAGAGAAGTATGATGATGACCCATATTAAATCGCCCTTGCTGGAAGAAATCTTGA 1276
      |||
Db   84 ATCCAAGAGAAGTATGATGATGACCCATATTAAATCGCCCTTGCTGGAAGAAATCTTGA 25
      |||

QY  1277 ATACTAAATCATGAGATCCTTT 1300
      |||
Db   24 ATACTAAATCATGAGATCCTTT 1

RESULT 37
US-09-454-226A-357
: Sequence 357; Application US/09454226A
: GENERAL INFORMATION:
: APPLICANT: Chenchik, Alex
: APPLICANT: Lukashov, Matvey
: TITLE OF INVENTION: Rat Array
: FILE REFERENCE: CLON-006CIP12
: CURRENT APPLICATION NUMBER: US/09/454,226A
: CURRENT FILING DATE: 2002-05-07
: NUMBER OF SEQ ID NOS: 1186
: SOFTWARE: FastSeq for Windows Version 4.0

```

SEQ ID NO 357
LENGTH: 267
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthesized gene fragment
US-09-454-226A-357

Query Match 8.3%; Score 186.6; DB 5; Length 267;
Best Local Similarity 81.5%; Pred. No. 1.7e-39;
Matches 216; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

OY 640 GTGAGAAATCATCAATCAACACCTGCACATGTGATGCTGCTACTATGGCCCAAGT 699
Db 1 GTGAGAAATCAATCAACAAACACCTGCACATGTGATGCTGCTACTATGGCCCAAGT 60
OY 700 GTCAGCTTGATTCAGTGTGAGGCTTTGGAGGCCAGACGTGGTACCATGACTGTA 759
Db 61 GTCAGTATGATCCTCAATGATGAGCTTGAAGGCCCTGAGCTGCTGATCAGTACGTA 120
OY 760 CTCACCCCTTTGGAACTTCAAGCTTCAAGCTGACAGTGTGCTTCAAGCTGTAAGGAA 819
Db 121 CTCACCCCTTGGAGGACTCAGCTCAGTACAGTGTGCTTCAAGCTGTAAGGAA 180
OY 820 CAACACTAACGCGGATTGAGAAACCAACACCTGTCACATTTGGAACGTGATCTCCAG 879
Db 181 GCGAGGACTTGGAGAAACCAACAGAGTGTGAGCATCTGGAACATGACATCTCAG 240
OY 880 AACCAACCTGTCAAGTATTCAGTG 904
Db 241 AGCAATCTGTCAAGTATTCAGTG 265

RESULT 38
US-10-040-862-6456
; Sequence 6456, Application US/10040862
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; APPLICANT: Retter, Marc
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy
; FILE REFERENCE: 014058-013520US
; CURRENT APPLICATION NUMBER: US/10/040, 862
; CURRENT FILING DATE: 2001-11-06
; PRIOR APPLICATION NUMBER: US 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: US 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: US 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: US 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: US 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: US 60/223,378
; PRIOR FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: US 09/796,692

PRIOR FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 10467
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 6456
; LENGTH: 193
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (174)
; OTHER INFORMATION: n=A,T,C or G
US-10-040-862-6456

Query Match 7.4%; Score 167.8; DB 7; Length 193;
Best Local Similarity 97.8%; Pred. No. 1.5e-34;
Matches 180; Conservative 0; Mismatches 3; Indels 1; Gaps 1;
OY 25 ACCTGACGACAGCAGACCTCCCTTT-GGCAAGACCTGAGACCTTGCTAAGTCAAGA 83
Db 9 ACCGCAAGACAGCAGACCTCCCTTTGGCAAGACCTGAGACCTTGCTAAGTCAAGA 68
OY 84 GGCTCAATGGGCTGCAGAAAGTGAAGAAAGCAAGCAAGCAAGCATGATATTTCCATGG 143
Db 69 GGCCTCAATGGGCTGCAGAAAGTGAAGAAAGCAAGCAAGCAAGCATGATATTTCCATGG 128
OY 144 AAATGTACAGACACCCAGAGGACTTATGAACTTTCAAGTTGTGGGGTGACAAATG 203
Db 129 AAATGTACAGACACCCAGAGGACTTATGAACTTTCAAGTTGTGGGGTGACAAATG 188
OY 204 CTCT 207
Db 189 CTCT 192

RESULT 39
US-10-027-632-82205/c
; Sequence 82205, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027, 632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 82205
; LENGTH: 642
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-82205

Query Match 6.3%; Score 143.2; DB 7; Length 642;
Best Local Similarity 63.8%; Pred. No. 8.8e-28;
Matches 217; Conservative 0; Mismatches 123; Indels 0; Gaps 0;
OY 242 CTGACCTTACCATTTATCTGAAAAACCATGCAAGGCTGAAAGATTCTGCGC 301

```
Db 343 CTGGTCTTACACACCTCCACGGAAGCTATGACTTATGAGAGGCCAGTCTTATTGTCA 284
OY 302 AGACAATTACACAGATTATTAGTCCATACAAACAGGCGAAATGATATGAGAGA 361
Db 283 GCAAAAGTACACACCTGTTTCAATTCAAAACAAAGAAAGATTGAGTAACTC 224
OY 362 GACTCTGCCCTTCAGTCTTCTTACTGATAGATCCGAGATAGAGAAATATG 421
Db 223 CATATTGAGCTATTACCAAGATTATTACTGATTTGGAATCAGAAAAGTCAACAATGTGTC 164
OY 422 GACGTGGGTGGGACCAACAATCTCTCAGTGAAGACAGAGAACTGGGAGATGTGA 481
Db 163 GGTCTGGGTAGGAGAACCCAGAACTCTGACAGAAAGAACCAAGACTGGGCTCCAGGTGA 104
OY 482 GCCCAACAACAAGAACAGAGAGAGTGGCGTGGAGATCTATATCAAGAAACAAGA 541
Db 103 ACCCAACAATAGGCAAAAAGATGAGACTGCTGGAGATCTTACATCAGAGAAAAAGA 44
OY 542 TGCAGGCAATGGAACGATGAGCGCTGCCACAACCTAAG 581
Db 43 TGTGGCATGTGTGATGATGAGAGGTGCAAGCAAGAAG 4
```

```
RESULT 40
US-10-027-632-38354/c
; Sequence 38354, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: fastseq for Windows Version 4.0
; SEQ ID NO 38354
; LENGTH: 648
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-38354
```

```
Query Match 6.3%; Score 143.2; DB 7; Length 648;
Best Local Similarity 63.8%; Pred. No. 8.e-28;
Matches 217; Conservative 0; Mismatches 123; Indels 0; Gaps 0;
```

```
OY 242 CTGGACTTACCTTATTCTGAAAAACCCATGAGTGGCAAGGGCTAGAAATCTGCGG 301
Db 358 CTGGTCTTACACACCTCCACGAGCTATGATGAGGCCAGTGTATTGTCA 299
OY 302 AGACAATTACAGAGATTAGTGCATACAAACAAAGCGGAAATGATATCTGAGAA 361
Db 298 GCAAAAGTACACACCTGTTGCAATTCAAAAGAAAGAGATTGAGTAAACTC 239
OY 362 GACTCTGCCCTTCAGTCTTCTTACTAGATAGAAATCCGAAAGATGAGAGAAATATG 421
Db 238 CATATTGAGCTTTTCAACCAAGTTATTACTGATTTGGAATCAGAAAAGTCAACAATGTGTG 179
```

```
OY 422 GACGTGGGTGGGAACCAACAATCTCTCACTGAAGAAGAGAGAACTGGGAGATGTGA 481
Db 178 GGTCTGGTGAAGAACCCAGAAACCTCTGACAGAAAGAACCAAGAACTGGGCTCCAGTGA 119
OY 482 GCCCAACAACAAGAACAGAGAGACTGCGTGGGAGATCTATATCAAGAAACAAGA 541
Db 118 ACCCAACAATAGGCAAAAAGATGAGAGTGGCGGAGATCTACATCAAGAGAAAAAGA 59
OY 542 TGCAGGCAATGGAACGATGAGCGCTGCCACAACCTAAG 581
Db 58 TGTGGCATGTGTGATGATGAGAGGTGCAAGCAAGAAG 19
```

Search completed: September 4, 2002, 11:25:33
Job time: 10266 sec

GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 4, 2002, 08:34:27 ; Search time 3840.13 seconds
(without alignments)
12726.974 Million cell updates/sec

Title: US-09-119-209-1
Perfect score: 2259
Sequence: 1 GAATTCAGCTGCTGGCTT.....CCGCCAGCAGCTGGAATTC 2259

Scoring table:
IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 21979536 seqs, 10817449327 residues

Total number of hits satisfying chosen parameters: 43959072

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 100%
Listing first 45 summaries

Database :

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5: /cgn2_6/ptodata/2/pna/US081.COMB.seq:*
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8: /cgn2_6/ptodata/2/pna/US084.COMB.seq:*
9: /cgn2_6/ptodata/2/pna/US085.COMB.seq:*
10: /cgn2_6/ptodata/2/pna/US086.COMB.seq:*
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27: /cgn2_6/ptodata/2/pna/US096E.COMB.seq:*
28: /cgn2_6/ptodata/2/pna/US097A.COMB.seq:*
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75: /cgn2_6/ptodata/2/pna/US6036.COMB.seq:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2259	100.0	2259	15 US-09-119-209-1	Sequence 1, Appl1
2	2161	95.7	2354	14 US-09-023-655-1154	Sequence 1154, Ap
3	2161	95.7	2354	18 US-09-442-384A-625	Sequence 625, App
4	2161	95.7	2354	18 US-09-442-589B-779	Sequence 779, App
5	2161	95.7	2354	33 US-09-880-107-2306	Sequence 2306, Ap
6	2151.6	95.2	2385	37 US-10-002-600-8	Sequence 8, Appl1
7	2151.6	95.2	2385	63 US-60-243-521-8	Sequence 22258, A
8	2151.6	95.2	2385	71 US-60-324-185-22258	Sequence 1118, Ap
9	2150	95.2	2564	17 US-09-396-970-8480	Sequence 8480, Ap
10	2150	95.2	2564	17 US-09-396-970-8480	Sequence 292, App
11	2146.8	95.0	2385	18 US-09-495-050A-292	Sequence 292, App
12	2146.8	95.0	2385	18 US-60-118-318-292	Sequence 2318, Ap
13	2140.6	94.8	2386	66 US-60-278-258-2538	Sequence 2538, Ap
14	2138.8	94.7	2324	36 US-09-897-722-137	Sequence 137, App
15	2129.6	94.3	2387	56 US-60-172-373-15742	Sequence 15742, A
16	2127.8	94.2	2350	32 US-09-836-544A-30	Sequence 30, Appl1
17	2127.8	94.2	2350	32 US-09-836-544A-30	Sequence 30, Appl1
18	2093.2	92.7	2330	30 US-09-760-475-377	Sequence 377, App
19	2087.6	92.4	2330	1 PCT-US92-03970-1	Sequence 1, Appl1
20	2087.6	92.4	2330	1 PCT-US94-00909-1	Sequence 1, Appl1
21	2087.6	92.4	2330	4 US-08-008-459-1	Sequence 1, Appl1
22	2087.6	92.4	2330	7 US-08-340-539-1	Sequence 1, Appl1
23	2087.6	92.4	2330	8 US-08-410-569-1	Sequence 1, Appl1
24	1605.4	71.1	1788	55 US-60-164-285-5139	Sequence 5139, Ap
25	1605.4	71.1	1788	55 US-60-164-285-5456	Sequence 5456, Ap
26	1605.4	71.1	1788	55 US-09-760-443-684	Sequence 684, App
27	1117.2	49.5	1213	30 US-09-760-475-1506	Sequence 1506, App
28	1107.8	49.0	1119	1 PCT-US01-26675-2	Sequence 2, Appl1
29	1107.8	49.0	1119	36 US-09-997-722-138	Sequence 138, App
30	1035	45.8	1298	29 US-09-758-443-424	Sequence 424, App
31	1035	45.8	1298	30 US-09-760-443-575	Sequence 575, App

QY 1021 AGAGAAACCATTTGTGAATCATCTGGAATCTGTCAAACTCTAGTCAATATGTCAA 1080
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 Db 1021 AGAGAAACCATTTGTGAATCATCTGGAATCTGTCAAACTCTAGTCAATATGTCAA 1080
 QY 1081 AATTGACAAAGTTTCTCAATGATTAAGAGGGGTGATTAACCCCTCTTCAATTCAG 1140
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 Db 1081 AATTGACAAAGTTTCTCAATGATTAAGAGGGGTGATTAACCCCTCTTCAATTCAG 1140
 QY 1141 TGGCAGCATGTTTACTGCAATCTCTGGGTGGCATTTATCATTTGGCTGGCAAGAGAT 1200
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 Db 1141 TGGCAGCATGTTTACTGCAATCTCTGGGTGGCATTTATCATTTGGCTGGCAAGAGAT 1200
 QY 1201 TAAAAAAGGCAAGAAATCCAGAGAGATGATGATGACCCATATTAAATGCGCCCTGTG 1260
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 Db 1201 TAAAAAAGGCAAGAAATCCAGAGAGATGATGATGACCCATATTAAATGCGCCCTGTG 1260
 QY 1261 AAGAAAAATCTTGAATTAATAAATCATGAGATCTTTAAATCCTTCATGAACGTT 1320
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 Db 1261 AAGAAAAATCTTGAATTAATAAATCATGAGATCTTTAAATCCTTCATGAACGTT 1320
 QY 1321 TTGTGTGGTGGCAGCTCTCTAGCTCAAAACATGAGTGTGTTCTTCACTGATCTGGAG 1380
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 Db 1321 TTGTGTGGTGGCAGCTCTCTAGCTCAAAACATGAGTGTGTTCTTCACTGATCTGGAG 1380
 QY 1381 ATTTCTACCCGACCAACAGTTCCTTCTGAGCTTCATTTCCGCCCCCTCATTTATCCCTCAAC 1440
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 Db 1381 ATTTCTACCCGACCAACAGTTCCTTCTGAGCTTCATTTCCGCCCCCTCATTTATCCCTCAAC 1440
 QY 1441 CCCAGCCACAGGTGTTTATACAGCTCAGCTTTTGTCTTTTCTGAGAGAAACAAATAA 1500
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 Db 1441 CCCAGCCACAGGTGTTTATACAGCTCAGCTTTTGTCTTTTCTGAGAGAAACAAATAA 1500
 QY 1501 GACCATTAAGGAAAGATTTATGGAATTAAGATGCTGACTTGTCTTCTTGTGAC 1560
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 Db 1501 GACCATTAAGGAAAGATTTATGGAATTAAGATGCTGACTTGTCTTCTTGTGAC 1560
 QY 1561 TCTTGTGTTAGTTCAATTCAGTGTGATGATGACAGACCTCTAAATGAAGTGC 1620
 |||||||
 Db 1561 TCTTGTGTTAGTTCAATTCAGTGTGATGATGACAGACCTCTAAATGAAGTGC 1620
 QY 1621 AAATTTGATACATATGTAATGAGACTCAGTTTCTTTCAGATCAAAATTTCAAGTCTC 1680
 |||||||
 Db 1621 AAATTTGATACATATGTAATGAGACTCAGTTTCTTTCAGATCAAAATTTCAAGTCTC 1680
 QY 1681 TTCTGTATCTGTGAGAGTACACTCTATATAGAAAGTCAAAAAGTCTACGCTCTTC 1740
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 Db 1681 TTCTGTATCTGTGAGAGTACACTCTATATAGAAAGTCTACGCTCTTC 1740
 QY 1741 TTCTTAATCTCAGTGAAGTAAATGGGCTCTGCTCAAGTTGAAGAAGTCTATTTGCACTG 1800
 |||||||
 Db 1741 TTCTTAATCTCAGTGAAGTAAATGGGCTCTGCTCAAGTTGAAGAAGTCTATTTGCACTG 1800
 QY 1801 TAGCCTGCGGCTGTGTAATTTGACATCTATTTAACTGGCTTCAGGCTCCCACTT 1860
 |||||||
 Db 1801 TAGCCTGCGGCTGTGTAATTTGACATCTATTTAACTGGCTTCAGGCTCCCACTT 1860
 QY 1861 CTTCAGCAGCACTCTCTTTTCACTGTTGGCTGACTTCCACACCTTACATCATGAGTCCA 1920
 |||||||
 Db 1861 CTTCAGCAGCACTCTCTTTTCACTGTTGGCTGACTTCCACACCTTACATCATGAGTCCA 1920
 QY 1921 AGCAAAAGGAGAGAGAGAAATAGCCTCGGGGTTTTAGTTGGGGTTTTGGCT 1980
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 Db 1921 AGCAAAAGGAGAGAGAGAAATAGCCTCGGGGTTTTAGTTGGGGTTTTGGCT 1980
 QY 1981 TTCTTTTATGAGACCATCTCTATTTCTATAGTCAATGTTCTTTTATCAGATATTA 2040
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 Db 1981 TTCTTTTATGAGACCATCTCTATTTCTATAGTCAATGTTCTTTTATCAGATATTA 2040
 QY 2041 TTGATTAAGAAACATCTCTGAAATGCTAGTGGCAAGTGAATCTCTTGTATGATATG 2100
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 Db 2041 TTGATTAAGAAACATCTCTGAAATGCTAGTGGCAAGTGAATCTCTTGTATGATATG 2100
 QY 2101 AAGATTAAGAAACAGGTGAGAAATTTCTTGAATTCACAAATGCTCTCTTCCCTG 2160

Db 2101 AAGATTAAGAAACAGGTGAGAAATTTCTTGAATTCACAAATGCTCTCTTCCCTG 2160
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 QY 2161 CCCCCAGAACTTTTATCCACTTACCTAGATTTCTACATTTCTTTAAATTTATCTCAGGC 2220
 |||||||
 Db 2161 CCCCCAGAACTTTTATCCACTTACCTAGATTTCTACATTTCTTTAAATTTATCTCAGGC 2220
 QY 2221 CTCCTCAACCCAGGGGGCCGACGACACTGGAATTC 2259
 |||||||
 Db 2221 CTCCTCAACCCAGGGGGCCGACGACACTGGAATTC 2259

RESULT 2

US-09-023-655-1154
 ? Sequence 1154, Application US/09023655
 ? GENERAL INFORMATION:
 ? APPLICANT: Cocks, Benjamin G.
 ? APPLICANT: Susan G. Stuart
 ? APPLICANT: Jeffrey J. Sellhammer
 ? TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
 ? TITLE OF INVENTION: EXPRESSION
 ? NUMBER OF SEQUENCES: 1508
 ? CORRESPONDENCE ADDRESS:
 ? ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
 ? STREET: 3174 PORTER DRIVE
 ? CITY: PALO ALTO
 ? STATE: CALIFORNIA
 ? COUNTRY: USA
 ? ZIP: 94304
 ? COMPUTER READABLE FORM:
 ? MEDIUM TYPE: Floppy disk
 ? COMPUTER: IBM PC compatible
 ? OPERATING SYSTEM: PC-DOS/MS-DOS
 ? SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
 ? CURRENT APPLICATION DATA:
 ? APPLICATION NUMBER: US/09/023,655
 ? FILING DATE: HEREMITH
 ? CLASSIFICATION:
 ? PRIOR APPLICATION DATA:
 ? APPLICATION NUMBER:
 ? FILING DATE:
 ? CLASSIFICATION:
 ? ATTORNEY/AGENT INFORMATION:
 ? NAME: Zeller, Karen J.
 ? REGISTRATION NUMBER: 37,071
 ? REFERENCE/DOCKET NUMBER: PA-0001 US
 ? TELECOMMUNICATION INFORMATION:
 ? TELEPHONE: (650) 855-0555
 ? TELEFAX: (650) 845-4166
 ? INFORMATION FOR SEQ ID NO: 1154:
 ? SEQUENCE CHARACTERISTICS:
 ? LENGTH: 2354 base pairs
 ? TYPE: nucleic acid
 ? STRANDEDNESS: single
 ? TOPOLOGY: linear
 ? IMMEDIATE SOURCE:
 ? LIBRARY: GENBANK
 ? CLONE: g187182
 ? US-09-023-655-1154

Query Match 95.7% Score 2161 DB 14 Length 2354:

Best Local Similarity 99.4% Pred. No. 0: Mismatches 10: Indels 3: Gaps 3:

QY 25 ACCTGACAGACAGACACTCCCTTTGGCAAGAGACTGAGACCTTGTGCTAAGTCAAGAG 84
 |||||||
 Db 12 ACCTGACAGACAGACACTCCCTTTGGCAAGAGACTGAGACCTTGTGCTAAGTCAAGAG 71
 |||||||
 QY 85 GCTCAATGGGCTGAGAGAACTAGAGAGAGACCAAGCAAGCCATGATATTTCCATGGA 144
 |||||||
 Db 72 GCTCAATGGGCTGAGAGAACTAGAGAGAGACCAAGCAAGCCATGATATTTCCATGGA 131

145 AATGTCAAGACACCCAGAGGACTTATGAAACATCTTCAAGTTGTGGGGTGCACAATGC 204
132 AATGTCAAGACACCCAGAGGACTTATGAAACATCTTCAAGTTGTGGGGTGCACAATGC 191
205 TCTGTGTGATTCCTGGGCATCATCAGAACCTACTCTGACTTACCATTAATTTCTGAAA 264
192 TCTGTGTGATTCCTGGGCATCATCAGAACCTACTCTGACTTACCATTAATTTCTGAAA 251
265 AACCCATGAATCGGCAAAAGGGCTAGAAATCTGCCGAGACAAATTAACAGATTTAGTTC 324
252 AACCCATGAATCGGCAAAAGGGCTAGAAATCTGCCGAGACAAATTAACAGATTTAGTTC 311
325 CCAATACAAAACAAAGCGGAATTTAGATCTGAGAAAGACTGCTCCCTTCAAGTCTTCT 384
312 CCAATACAAAACAAAGCGGAATTTAGATCTGAGAAAGACTGCTCCCTTCAAGTCTTCT 371
385 ACTACAGATAGGAATCCGGAAGATAGGAGATATGAGACGTGGTGGGAGACCAACAAT 444
372 ACTACAGATAGGAATCCGGAAGATAGGAGATATGAGACGTGGTGGGAGACCAACAAT 431
445 CTCTCACTGAAGAAGCAGAACTGGGAGATGAGAGCCCAACAACAAGAAACAAG 504
432 CTCTCACTGAAGAAGCAGAACTGGGAGATGAGAGCCCAACAACAAGAAACAAG 491
505 AGGACTGCGTGGAGATCTATATCAAGAAACAAGAATGAGCAAAATGAGACGATGACG 564
492 AGGACTGCGTGGAGATCTATATCAAGAAACAAGAATGAGCAAAATGAGACGATGACG 551
565 CCGTCACACAACCTAAAGGAGCGCCTGTGTACACAGCTTCTGGCCGCGCTGTGATGCA 624
552 CCGTCACACAACCTAAAGGAGCGCCTGTGTACACAGCTTCTGGCCGCGCTGTGATGCA 611
625 GTGGCCAGTGAAGAAATGTGAGAAATCATCAATATACACCTGCAACTGTGATGAGGGGT 684
612 GTGGCCAGTGAAGAAATGTGAGAAATCATCAATATATACACCTGCAACTGTGATGAGGGGT 671
685 ACTATAGGGCCCAAGTGTCAAGCTTGTGATTCAGTGTGAGCGCTTTGGAGCGCCAGAGCTGG 744
672 ACTATAGGGCCCAAGTGTCAAGCTTGTGATTCAGTGTGAGCGCTTTGGAGCGCCAGAGCTGG 731
745 GTACCATGAGACTGTACTACCCCTTTGGAACTTCAAGCTTCAAGCTCAAGTGTGAGCTTCA 804
732 GTACCATGAGACTGTACTACCCCTTTGGAACTTCAAGCTTCAAGCTTCAAGTGTGAGCTTCA 791
805 GCTGCTCTGAAGAAACAACCTTAAGTGGATTTGAAGAAACAACCTGTGAGACCATTTGAAA 864
792 GCTGCTCTGAAGAAACAACCTTAAGTGGATTTGAAGAAACAACCTGTGAGACCATTTGAAA 851
865 ACTGTCATCTCCAGAACCAACCTGTGCAAGTATTCAGTGTGAGCGCTGTATAGACACAG 924
852 ACTGTCATCTCCAGAACCAACCTGTGCAAGTATTCAGTGTGAGCGCTGTATAGACACAG 911
935 ATTGGGGATCATGAACCTGTAGCCATTCCTGCCAGCTTCAAGCTTCAAGCTTCAAGCTTCA 984
912 ATTGGGGATCATGAACCTGTAGCCATTCCTGCCAGCTTCAAGCTTCAAGCTTCAAGCTTCA 971
985 CCTTATCTGCTCAGAAAGAACTGAGTTAATTTGGAGAAAGAAACAACCTTTGTGATCAT 1044
972 CCTTATCTGCTCAGAAAGAACTGAGTTAATTTGGAGAAAGAAACAACCTTTGTGATCAT 1031
1045 CTGCAATCTGTCGAATCTGTAGTCAATATGCAAAAAATTTGGAGAAAGTTTCTCAATGA 1104
1032 CTGCAATCTGTCGAATCTGTAGTCAATATGCAAAAAATTTGGAGAAAGTTTCTCAATGA 1091
1105 TTAAAGGAGGATTAATTAACCCCTTCTCATTCAGAGTGCAGTCACTGTTACTGCAATCT 1164
1092 TTAAAGGAGGATTAATTAACCCCTTCTCATTCAGTGCAGTCACTGTTACTGCAATCT 1151
1165 CTGGGTTGGCAATTAATCAATTTGGGCTGCGCAGAGAGATTAAAAAAGGCAAGAAATCCAGA 1224
1152 CTGGGTTGGCAATTAATCAATTTGGGCTGCGCAGAGAGATTAAAAAAGGCAAGAAATCCAGA 1211
1225 GAAATATGAATGACCAATTAATTAATTCGCCCTTGGTGAAGAAATTTCTTGAATATCTAAA 1284

1212 GAAGTATGATGACCCATTAATGCGCCTTGCTGTAAGAAATTTCTTGAAATCTATA 1271
1285 AATCATGAGATCCCTTAATTCCTTCATGAAGAGTTTGTGTGGGACCTCTACGTC 1344
1272 AATCATGAGATCCCTTAATTCCTTCATGAAGAGTTTGTGTGGGACCTCTACGTC 1331
1345 AATCATGAGATGTC-TTCCTTCAAGTCACTGAGGAAGATTCTTACCAGCAAGCTTCC 1403
1332 AATCATGAGATGTC-TTCCTTCAAGTCACTGAGGAAGATTCTTACCAGCAAGCTTCC 1391
1404 TTCAGCTTCATTTGCGCCCTCATTTATCCCTCAACCCCGACCCAGAGGTTTATACA 1463
1392 TTCAGCTTCATTTGCGCCCTCATTTATCCCTCAACCCCGACCCAGAGGTTTATACA 1451
1464 GCTCAGCTTTTGTCTTTTCTGAGAGAAACAATTAAGACAT -AAGGAAAGATTCAT 1522
1452 GCTCAGCTTTTGTCTTTTCTGAGAGAAACAATTAAGACAT -AAGGAAAGATTCAT 1511
1523 GTGGAATATAAGATGAGGCTGACTTGTGCTTCTGTAGCTCTTGTGAGTTTCAATTCA 1582
1512 GTGGAATATAAGATGAGGCTGACTTGTGCTTCTGTAGCTCTTGTGAGTTTCAATTCA 1571
1583 GTGCTGTACTGATGACAGACATTTCTAATGAAGTGCAAAATTTGATACATATGTAATA 1642
1572 GTGCTGTACTGATGACAGACATTTCTAATGAAGTGCAAAATTTGATACATATGTAATA 1631
1643 TGGACTCAAGTTTCTTCTGAGATCAATTAATTTCAAGTGTCTTCTGTATCTGAGAGTACA 1702
1632 TGGACTCAAGTTTCTTCTGAGATCAATTAATTTCAAGTGTCTTCTGTATCTGAGAGTACA 1691
1703 CTCTTATGAAGAAAGTCAAAAAGTCTAGCGCTCTCTCTTCTTCTAAGTCAAGTAAAT 1762
1692 CTCTTATGAAGAAAGTCAAAAAGTCTAGCGCTCTCTCTTCTTCTAAGTCAAGTAAAT 1751
1763 GGGGTCTGCTCAAGTGAAGAGTCTAATTTGCACTGTAGCCTGCGGCTGTGAAATTG 1822
1752 GGGGTCTGCTCAAGTGAAGAGTCTAATTTGCACTGTAGCCTGCGGCTGTGAAATTG 1811
1823 GACCATCTATTTAATCTGGCTTCAAGGCGTCCCGACCTTCTTCAAGCAGCATCTCTTTTCA 1882
1812 GACCATCTATTTAATCTGGCTTCAAGGCGTCCCGACCTTCTTCAAGCAGCATCTCTTTTCA 1870
1883 GTTGGCTGACTTCCACACCTTCAAGATCTCATGATGAGCCAGCAAGAGAGAGAGAA 1942
1871 GTTGGCTGACTTCCACACCTTCAAGATCTCATGATGAGGCGCAGCAAGAGAGAGAGAA 1930
1943 ATAGCCTGCGCGGTTTTTAAGTTGGGGGTTTTGCTGTTCTTTTATGAGACCATTTCC 2002
1931 ATAGCCTGCGCGGTTTTTAAGTTGGGGGTTTTGCTGTTCTTTTATGAGACCATTTCC 1990
2003 TATTTCTTATGATCAATGTTCTTTTATACGATATTAATTAAGTAAAGAAATCACTGAA 2062
1991 TATTTCTTATGATCAATGTTCTTTTATACGATATTAATTAAGTAAAGAAATCACTGAA 2050
2063 ATGCTAGCTGCAAGTGCATCTTTGATGTCAATATGAGAGAGTTTAAACAGGTGAGAA 2122
2051 ATGCTAGCTGCAAGTGCATCTTTGATGTCAATATGAGAGAGTTTAAACAGGTGAGAA 2110
2111 ATTCCTTGAATTCACAAAGAAATGCTTCCTTCCCGCCCGCCAGAACTTTTATCCACTT 2170
2183 ACCTAGATTTCACTATTTCTTAAATTTCAATCAGGCGCTCCGCAACCCAC 2235
2171 ACCTAGATTTCACTATTTCTTAAATTTCAATCAGGCGCTCCGCAACCCAC 2223

RESULT 3
US-09-442-384A-625
; Sequence 625, Application US/09442384A
; GENERAL INFORMATION:
; APPLICANT: Chenchik, Alex

Db 1871 gttggtgtaactccacacccatagcatctcatgagtgccaaagaaagagagaagagaa 1930
Qy 1943 ATAGCTGCGCGGTTTTTATGTTGGGGGTTTTCTGTTTCTTTTATGAGACCATTTCC 2002
Db 1931 atgacccgctgtttttagttttagtttgggttttgcgttcttccctttttagaaccatctcc 1990
Qy 2003 TATTTCTTATAGTCAATGTTTCTTTATATCAGATATTATTAGTAAGAAAATCAGTGA 2062
Db 1991 tattctctatagtaaaagtcttcttcttcaagatattattagtaagaacaatcactgaa 2050
Qy 2063 ATGTACCTCAGTGCATCTCTTGATGTCATATGAGAGATTAATAAGTGGAGAA 2122
Db 2051 atgtcagtcgcaagtgacatctcttgaagcatataggaagatlaaacaagtgagaa 2110
Qy 2123 ATTCTGATTCAATGAATGCTCTCTTCCCTGCGCCCGAGAACTTTATCCACTT 2182
Db 2111 attccttgatccaatgaatgctctcttccctcccgcccgagaaactttatccact 2170
Qy 2183 ACCTAGATTTCATATTTCTTTAAATTTTCATCTCAGGCTCTCCCAACCCAC 2235
Db 2171 acctagattcatatattctttaattcatctcagcctccctcaacccac 2223

RESULT 4
US-09-442-589B-779
Sequence 779, Application US/09442589B
GENERAL INFORMATION:
APPLICANT: Chenchik, Alex
APPLICANT: Lukashyev, Matvey
TITLE OF INVENTION: Human Cardiovascular Array
FILE REFERENCE: CLON-006CIP10
CURRENT APPLICATION NUMBER: US/09/442, 589B
CURRENT FILING DATE: 1999-11-17
PRIOR APPLICATION NUMBER: 09/053, 375
PRIOR FILING DATE: 1998-03-31
NUMBER OF SEQ ID NOS: 1194
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 779
LENGTH: 2354
TYPE: DNA
ORGANISM: homo sapiens
US-09-442-589B-779

Query Match 95.7%; Score 2161; DB 18; Length 2354;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 2200; Conservative 0; Mismatches 10; Indels 3; Gaps 3;

Qy 25 ACCTGAGACAGACACCTCCCTTGGCAAGACCTGAGACCTCTGTGTAAGTCAAGAG 84
Db 12 acctgagacagacacaccccttggcaagacacctgagaccccttgtaagtcagag 71
Qy 85 GCTCAATGGGTGTCAGAGAACTAGAGAGACCAAGCAAGCCATGATTTCCATGA 144
Db 72 gctcaatgggtgcgcaagaactagagaagacccaagccaatgatatcttccatgaa 131
Qy 145 AATGTCAGACACCCAGAGGACTTATGAGACATCTTCAAGTTGTGGGGTGGACATGC 204
Db 132 aatgtcagagcacccagagagactatgaaacatctcaagtcgtggggtgagacaatgc 191
Qy 205 TCTGTTGATTTCTCGGACATCATGGAACCTACTGCTGGGACTTACCATTTATGAAA 264
Db 192 tctgttggatctccggacatcatggaacacgactgctgagcttaccatcttctgaaa 251
Qy 265 AACCCATGAAGTGGCAAGGGCTAGAGATTTGCCGAGACATTAACAGATTAGTTG 324
Db 262 aaccatgaactgcgcaagggctagaagaatctgcgcgagacaataacagattagtg 311
Qy 325 CCATCAAAACAGGCGGAATTGATCTGGAGAGAGACTCTGCCCTTCAAGTGTCTT 384
Db 312 ccatcaaaaacagcggaatctgagatctgagaaagacatctgccttcagtcgtctt 371
Qy 385 ACTACTGATAGGAATCGGAAGATAGAGGAATATGAGCGTGGGTGGGAACCAAAAT 444
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Db 372 actacttgataggaatccggaagatagaggaatlatgagacgtggtggtgaaacaaat 431
Qy 445 CTCTCACTAGAGAGAGACACTGGGAGAGTGTAGGCCCAACCAAGAAAGAACAG 504
Db 432 ctctactgaagaagcagaagaacttgggagatggtgagcccaacaagaagaagaag 491
Qy 505 AGGACTGCGTGGATCTTATCAAGAGAAACCAATCAGGCAAAATGAGACGATGAG 564
Db 492 aggaactgctgagatctatatacaagaagaacaagatgcaggaagaaatgag 551
Qy 565 CTGCGCAAACTAAAGGACGCCCTGTGTACACACACTTCTTGCCAGGCCCTGTATGA 624
Db 552 cctgcacaactaaagagcagccctctgttaacagctctcttgccagccctgtatgca 611
Qy 625 GTCGCAATGAGAGATGTGTGAATATCAATATATACACTGCAACTGTATGGGGT 684
Db 612 gtggccaatgagaatgltgtaagaatcatcaataatacaaccctgcaactgtgagtg 671
Qy 685 ACTATGGGCCAGTGTCAAGCTTGTGATTCAGTGTGAGGCTTTGGAGGCCCGAGAGTGG 744
Db 672 actatggcccaagtgctcagcttgatcagtgagaccccttggaagcccaagctgg 731
Qy 745 GTACCATGAGACTGTACTACACCCCTTTGGAACCTGACGTTACGTCACAGTGTGCTTCA 804
Db 732 gtaccatgagactgtactcaacccttgggaactcagctcagctcacagtgcttca 791
Qy 805 GCTGCTCAGAGAGCAAACTTAATGATGATGAGAAACCAACCTGTGACATTTGGA 864
Db 792 gctgctcagaaagcaaaacttaactgagatgaaagaaacacccctgagacattgaa 851
Qy 865 ACTGTGATCTCCAGAACCAACCTCTCAAGTATGATTCAGTGTGAGGCTGTATCAGCACAG 924
Db 852 actgtcatctccagaaacaaactctgcaagtgatcagtgagagcttcatcagcaccaag 911
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Db 912 attggagatcatgaaactgtagccatcccttgccagctcagcttaaccctcagtgta 971
Qy 985 CCTTCATGCTCAGAGAGAACTGATTAATGGGAAAGAAACCAATTTGTGATATAT 1044
Db 972 ccttcattcgcgcagaaagaaactgagttaatlggaaagaaacaaacttgtgaatcat 1031
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Db 1032 ctggaatctgtgcaaatctcagtcacatataatgcaaaaacttggacaaaagttccaatga 1091
Qy 1105 TTAAGAGGGTATTTATTAACCCCTCTTCATTTCCAGTGGACATGATGATCTCATTTCT 1164
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Qy 1165 CTGGTGGCAATTTATCATTTGGCTGGCAAGAGATTAAAAAAGGCAAGAAATCCAAA 1224
Db 1152 ctgggttgcaattatcatcttggcgcgcaagagatlaaaaaaagcagaatcccaaga 1211
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Db 1272 aatcatgagatcctttaaactcttccatgaaacglttgtgtgacactcctaagtc 1331
Qy 1345 AAACATGAAGTGTG-TTCCTCAGAGCATCTGGGAAGATTCTCCCGACCAACAAGTTC 1403
Db 1332 aaacatgaagtggttcttccatcagtgcatcggaaagatcttaccacccaagaagttcc 1391
Qy 1404 TTCAAGCTTCATTTGCCCTCATTTATCCCTCAACCCCAAGCCCAAGAGTGTATACA 1463
Db 1392 ttcaagcttccatttgcgccctcatattccctcaacccccaagtcagtggttataca 1451
Qy 1464 GCTCAGCTTTTGTCTTTTCTGAGAGAAACCAATTAAGACCATTAAGGAAAGGATTCAT 1522
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Db 1452 gctcagcttttgccttcttcgtgagagaacaataagaaccataaaggaaagattcat 1511
QY 1523 GTGAATAATTAAGATGGCTGACTTGGCTTTTCTTGTGACTCTTGTGTTTCAATTCA 1562
Db 1512 gtggaataaagaatggcgtcacttgccttcttcgtactcttgccttcttcgaattca 1571
QY 1583 GTGCTGACTGATGACAGACACTTCTTAATGAAGTGAATGTAATTTGATACATATGATA 1642
Db 1572 gtgcgtcacttgatgaagaacacacttcaaatgaatgcaaatgtacacatacgtgaata 1631
QY 1643 TGGACAGATTTTCTTGCAGATCAAAATTTTCAGTCTTCTGTATCTGATCTGAGATGA 1702
Db 1632 tgcacactgcttcttcgtcagatacaaatctaacgtcgtccttcgtatcgtgaggggtaca 1691
QY 1703 CTCTTATAGAAGTTCAAAAAGTACGCTCTCTTCTTCTTCTTCTTCTTCTTCTTCTT 1762
Db 1692 ctctcatalagaagttcaaaaagttcagctccttcttcttcttcttcttcttcttct 1751
QY 1763 GGGGTCTGCTGCAAGTTGAAGAGTCTTATTTTGCAGTGTAGCCCTGGCGTGTGAATTC 1832
Db 1752 ggggtctgctgcacagttcgaagaagtcctattctgcacgtgaagcccgctcgtctgaatc 1811
QY 1823 GACCATCTTATTTAAGTGGCTTCAGGCTCCGACCTCTTTCAGCACAACCTCTTTTTC 1882
Db 1812 gaccatcctatttaactgctca -gcctcccaacctcttcagccaacctcttcttcttca 1870
QY 1883 GTTGGCTGACTTCACACACTGATGATCTGATGAGTCCCAAGCAAAAGAGAGAGAGAA 1942
Db 1871 gtctgctgacttccacacctcagcactcactgagtgccaaagaaagaaagaaagaa 1930
QY 1943 ATAGCTGCGGGGTTTTTATGTTTGGGGTTTTCTGTTTCTTCTTCTTCTTCTTCTTCTT 2002
Db 1931 atagccgctgctgttcttcttcttcttcttcttcttcttcttcttcttcttcttct 1990
QY 2003 TATTTCTTATGATCAATGTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 2062
Db 1991 tattcttatagtcaaatgcttcttcttcttcttcttcttcttcttcttcttcttcttct 2050
QY 2063 ATGCTACTGCAAGTGCATCTCTTATGATGATGATGAGAGTAAAGAGTGAAGAGTGA 2122
Db 2051 atgctaacgtcgaatgacacttcttcttcttcttcttcttcttcttcttcttcttct 2110
QY 2123 ATTCCTGATTCACAAAGAAATGCTCTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 2182
Db 2111 atctcctgattcacaagaatgctccttcttcttcttcttcttcttcttcttcttct 2170
QY 2183 ACCTAGATTCATATTTCTTAAATTTTCATCTCAGGCTCCCTCAACCCAC 2235
Db 2171 acctagattctacatatcttcttcttcttcttcttcttcttcttcttcttcttcttct 2223

RESULT 5
US-09-880-107-2306
: Sequence 2306, Application US/09880107
: GENERAL INFORMATION:
: APPLICANT: Horne, Darci T.
: APPLICANT: Vockley, Joseph G.
: APPLICANT: Scherf, Uwe
: APPLICANT: Gene Logic, Inc.
: TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
: FILE REFERENCE: 44921-5028-WO
: CURRENT APPLICATION NUMBER: US/09/880,107
: CURRENT FILING DATE: 2001-06-14
: PRIOR APPLICATION NUMBER: US 60/211,379
: PRIOR FILING DATE: 2000-06-14
: PRIOR APPLICATION NUMBER: US 60/237,054
: PRIOR FILING DATE: 2000-10-02
: NUMBER OF SEQ ID NOS: 3950
: SOFTWARE: Patent In Ver. 2.1
: SEQ ID NO 2306
: LENGTH: 2354
: TYPE: DNA
: ORGANISM: Homo sapiens
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FEATURE:
: OTHER INFORMATION: Genbank Accession No. M25280
US-09-880-107-2306

Query Match          95.7%; Score 2161; DB 33; Length 2354;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 2200; Conservative 0; Mismatches 10; Indels 3; Gaps 3;

QY 25 ACCTGACAGACAGACACTCCCTTTGGCAAGACCTGAGACCTTGTGCTTAAGTCAAG 84
Db 12 accgtcagacagacacactccttcttcttcttcttcttcttcttcttcttcttcttct 71
QY 85 GCTCAATGGCTGCGAAGAACTAGAGAGACCAAGCAAGCAAGCAAGCAAGCAAGCAAG 144
Db 72 gctcaatggctgctgagaagaactagagaagcaagcaagcaagcaagcaagcaagcaag 131
QY 145 AATGTCAGAGACCCAGAGGAGCTTATGAAATCTTCAAGTGTGGGGGTGGACAATTC 204
Db 132 aatgtcagagacccagagagagacttataagaaactcctcaagttcttcttcttcttct 191
QY 205 TCTGTTGATTTCTGGACATGAGAACCTACTGCTGACTTACCATTTCTGAAA 264
Db 192 tctgtgtgattctcttcttcttcttcttcttcttcttcttcttcttcttcttcttcttct 251
QY 265 AACCCATGAATGCGCAAAAGGCTGAAAGATTCTGCCAGACAAATTTACAGATTTAGTG 324
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QY 325 CCATACAAAACAGCGGAATTTAGTATCTGAGAAAGACTGCTCCCTTCTGCTGCTTCT 384
Db 312 ccatacaaaacagcggaatcttagatctcttcttcttcttcttcttcttcttcttcttct 371
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Db 372 actactgatatgagatccggaagatagagaatagatgagcttcttcttcttcttcttct 431
QY 445 CTCTCAGTGAAGAGACAGAGACCTGGGAGATGCTGAGCCCAACAAACAAGAAACAAG 504
Db 432 ctcttactgaagaagcagagaccttcttcttcttcttcttcttcttcttcttcttctt 491
QY 505 AGGACTCGTGGAGATCTATCTCAAGAAACAAGATGCGAGCAAAATGGAACATGACG 564
Db 492 aggactcgtggagatctatactcaagagaacaaagatgcaggaatgagagaaatgagaa 551
QY 565 CCTGCGCAAACTTAAGGACGCTCTGTTACACAGCTTCTTGGCAGCCCTGATGACA 624
Db 552 cctgccaacaaactaaagcagccctctgttacacagcttcttcttcttcttcttcttct 611
QY 625 GTGCCATGGAGATGCTGTAGAAATCATCAATATCATCACTGCACTGATGTGGGCT 684
Db 612 gtggcctgagaaatgctgtgaaatctcaataatctcaactgtgagtgtgaggt 671
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QY 925 ATTTGGGATCAGAACTGATGACCATCCCTGGCAGACTTCAAGCTTACCTTTCATGTA 984
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 Db 1272 aatcaatgaatcccttaaatccctctcagaagatttggtagggccctcccaagtc 1331
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 QY 1523 CTGGAAATTAAGAGATGCGTGAATCTTCTTCTTCTGACTCTTGTGTTTCAAGTTCAATCA 1582
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 Db 1512 gtagaataataaagatggctgacttcttcttcttctgactcttctcagttcagttcaatca 1571
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 QY 1883 GTTGGCTGACTTCCACACACTGACATCTGATGAGTGGCCAGAAAAGGAGAGAGAGAA 1942
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 Db 1871 gttggctgaacttccacactgagatctcaatgagtgcaagaagaagagaaagaa 1930
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 Db 1931 atagcctggcggtttttttagtttgggggttttggctgttcttctttagaagaccatctcc 1990
 QY 2003 TATTTCTTATAGTCAAGTCTTTTATCAGCATATATATAGTAAAGAACATCATGAA 2062
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 QY 2063 ATGTAGCTGCAAGTGCATCTTTGATGTGCATATGAGAAAGTTAAACAGGTGGAGAA 2122
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 QY 2123 ATTCTTGATTCACAAATGAATGCTCTCTTCCCTGCGCCAGAACTTTATCCACT 2182
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 Db 2111 attccttgattccaatgaatgaaatgctctcttcccttcccttgcctccagaaactttatccactt 2170
 QY 2183 ACCTGATCTTACATATCTTTAAATTTCAATCTCAGGCTCCCTCAACCCAC 2235
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 RESULT 6
 US-10-002-600-8
 ; Sequence 8, Application US/10002600
 ; GENERAL INFORMATION:
 ; APPLICANT: Hopkins, Christopher M.
 ; APPLICANT: Peterson, David P.
 ; APPLICANT: Cocks, Benjamin G.
 ; APPLICANT: Hawkins, Phillip R.
 ; TITLE OF INVENTION: GENES REGULATED IN ACTIVATED T CELLS
 ; FILE REFERENCE: PA-0042 US
 ; CURRENT FILING DATE: 2001-10-25
 ; PRIOR APPLICATION NUMBER: 60/243,521
 ; PRIOR FILING DATE: 2000-10-25
 ; NUMBER OF SEQ. ID NOS: 116
 ; SOFTWARE: PERL Program
 ; SEQ. ID NO 8
 ; LENGTH: 2385
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc-feature
 ; OTHER INFORMATION: Template ID: 331616.2
 US-10-002-600-8
 Query Match 95.2%; Score 2151.6; DB 37; Length 2385;
 Best Local Similarity 99.4%; Pred. No. 0;
 Matches 2201; Conservative 0; Mismatches 9; Indels 4; Gaps 4;
 QY 25 ACCTGACAGACAGACACTCCCTTT-GGCAAGACTGTAGACCTTGCTAAGTCAAGA 83
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 Db 32 accgcagcacagacactcccttgggcaagagccctggagaccccttggtaagtaaga 91
 QY 84 GGCCTAATGGGCTCGACAAAGAACTAGAGAGAGACCAAGCAAGCCATGATATTTCATGG 143
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 Db 92 ggtcaatgggtctgcaagaagactagaagaagaccagaagccatgatatlttccatg 151
 QY 144 AAATGTCAAGACACCCAGAGGACTTATGGAACATCTTCAAGTTGNGGGGTGAGCAATG 203
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 Db 152 aaatgtcagagcaccgcagagagacttattgaacatcttcaagtgtgggggtgacaatg 211
 QY 204 CTCTGTTGTGATTTCTGGACATCATGGAACCTTACTGTGGAATTATATCTGAA 263
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 Db 212 ctctgtgtgattcttccgtgacatcatgaaacgcagctgagcttaccattcttgaa 271
 QY 264 AAACCCATGAACCTGCAAAAGGCGTAGAAGATTCTGCCGAACAATTTACAGATTAGTT 323
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 Db 272 aaacccatgaacttggcaaaaggtctagaagattctgcccgaagaacattacaagaatttagtt 331
 QY 324 GCCATACAAAACAGGGGAAATTTGATATCTGAGAGAGACTCTGCCCTTCACTGCTTC 383
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 Db 332 gccatataaaacaaaggggaatttgatcttggagaagactctgcttcttagtctct 391
 QY 384 TACTACTGATAGGAATCCGGAAGATAGAGGAATATGAGAGTGGTGGGAACCAACAA 443
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 Db 392 tactactgataagaatccggaagatagagatatatgagcgtgggttgggaaccaacaa 451
 QY 444 TCTCTCCTCAAGAGAGAGAGAACTGGGAGATGCTGAGAGCCCAACAACAAGAAACAAG 503
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 Db 452 tctcttactgaaagaagcagaagacttggggagattgttagcccaacaagaagaacag 511
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QY	504	GAGACATGCGTGGAGACTCTTATCAAGAGAAACAAAGATGCAAGCAATGGAACGATAC	563
Db	512	gagacctcgctgtagatctatcaagaagaacaagaatgcagcaaatggaacgtagac	571
QY	564	GCGTCGCACAAACCTAAAGGACGCGCTGTGTTACAGCGCTTTGGACGCGCCGGTCATGC	623
Db	572	gcctgcacaacaactaaagcagccctcgtttaacacagctctctgcagcccggtcagcgc	631
QY	624	AGTGGCCATGGAGAAATGTGTAGAAATCATCAATTAATCACACCCCTGCACGTAAGTGTGGG	683
Db	632	agtgccatgtagaatactgtagaataatcatcaataatatacctgtcaactgtagatgtgg	691
QY	684	TACTATGGGCCCCAGTGTACGCTTGTGATTCACTGTGACGCTTTGGAGGCCCCAGAGCTG	743
Db	692	tactatbgcccccagtgctcagttctgtatcagtgtagacctcttggaagccccagaagctg	751
QY	744	GGTACCATGGACATGTACTCAACCCCTTTGGAACTTCAGCTTGAGCCACAGTGGCCCTTC	803
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QY	804	AGCGTCCTCAAGAGAACAAACTTAACCTGGGATTGGAAGAAACCAACCTGGAGCAATTTGGA	863
Db	812	agctgcctcgtgaagaaacaacttaactggtatggaagaacaacctgtggaacctttgga	871
QY	864	AACTGTCATCTCCAGAACCAACCTGTCAAGTAAGTAATCACTGTGAGCCTCTATCAGACCA	923
Db	872	aactgtcatctccagaaccaacctgtlcaagttagtcaagtgtgagacctatacagacca	931
QY	924	GATTTGGGGATCACTNGAACTGTACCCATCCCGGCGCAGCTTGAGCTTTACCTCTGCACTG	983
Db	932	gattctggggatcactngaaactgtacccatcccgcgcaagcttaagcttaacctctgacgt	991
QY	984	ACCTTCATCTGCACAGAGAACTGATTAATTTGGGAACAAACCAACTTTGTGTAATCA	1043
Db	992	acctctcatctgcacgaagaagtaactgttaattggaagaagaacaacctgtgtaacta	1051
QY	1044	TCGTGAATCTGTCAAACTCCTAGTCCAAATATGTCAAAAAATTGGACAAAAGTTTCTCAATG	1103
Db	1052	tcgtgaatctgtcaaaactcctagtcctcaatgtlcaaaaaatbgaacaaaagttctcaatg	1111
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QY	1164	TCTGGTGTGGCATTTATTCATTTTGGCGGCAAGAGATTAAAAAAGGCAAGAAATCCAG	1223
Db	1172	tcctggtgtgcattatcatctatcttgcgcgaaggagatcaaaaaagcaagaataccaaag	1231
QY	1224	AGAAGTATGAATGACCCATATTTAAATCGCCCTTGGTGAAGAAATTTCTTGGATACTAA	1283
Db	1232	agaagtatgaaatgaccocatataataatcgcccttgttgaagaanaattcttgaatactaa	1291
QY	1284	AAATCATGAAATTCCTTTAAATCCTTCCATGAAACGTTTGTGTGGTGGCAGCTCTCACT	1343
Db	1292	aaatcatgaaatctctttaaactccctccatcaglaaaagcttctgtgtgtgacctcctaagt	1351
QY	1344	CAAAATGAAAGTGTG- TTCCTTTAGTGCATTCGGAAGATTTCACCCGACCAACAGTTC	1402
Db	1352	caaaatgaaagtgttctctcagtgcatctcggaagaattctctaccgcgcaacaagctc	1411
QY	1403	CTTCAGCTTCATTTGGCCCTCATTTATTCCTTCACACCCCGACGACAGGTGTTTATAC	1462
Db	1412	cttcagcttcatttgcgcctcatcttaccctcaaaccccccgaccacaagtglttataac	1471
QY	1463	AGCTCAGCTTTTGTCTTTTCTGAGAGAAACAAATAGACCAT- AAGGGAAGAGATTCA	1521
Db	1472	agctcagcttctgtctcttctcgaagaaacaataaagaccataaagggaaagattca	1531
QY	1522	TGTGCAATTAAGAAAGTGGCACTTGGCTTGTGATCTGTTTCACTTCAATTC	1581
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QY	1582	AGTGGCTGCTACTGTGATGACGACACCTCTTAATGAAGACTGGAATTTGATACATATGTGANT	1641
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QY	1642	ATGGACATCAGTTTCTTGGAGATCAAAATTTACAGTCTGTCTGTGTACTGTGAGAGTAC	1701
Db	1652	ATGGACATCAGTTTCTTGGAGATCAAAATTTACAGTCTGTCTGTGTACTGTGAGAGTAC	1711
QY	1702	ACTCTTATAGAAAGTTCAAAAAGTCTACGCTCTCTTTCTTTCTAATCTCAGTGAATTA	1761
Db	1712	ACTCTTATAGAAAGTTCAAAAAGTCTACGCTCTCTTTCTTTCTAATCTCAGTGAATTA	1771
QY	1762	TGGGGGCTCGTCACAGTTGAAGAGCCCTAATTTGACATCTACGCTCCGGCTGTGTGAAT	1821
Db	1772	TGGGGGCTCGTCACAGTTGAAGAGCCCTAATTTGACATCTACGCTCCGGCTGTGTGAAT	1831
QY	1822	GGACATCCTAATTTAAGTGGCTTACAGGCGCTCCACACTTCTTACAGCACCTCTTTTTC	1881
Db	1832	GGACATCCTAATTTAAGTGGCTTACAGGCGCTCCACACTTCTTACAGCACCTCTTTTTC	1890
QY	1882	AGTGGCTGACTTCCACACCTTACATCTTCATATGATGTCACAGCAAAAAGAGAGAGAGA	1941
Db	1891	AGTGGCTGACTTCCACACCTTACATCTTCATATGATGTCACAGCAAAAAGAGAGAGAGA	1950
QY	1942	AATPAGCCTCGGGGTTTTTTTATGTTGGGGGTTTTGCTGTTCTTTTATAGAACCATTC	2001
Db	1951	AATPAGCCTCGGGGTTTTTTTATGTTGGGGGTTTTGCTGTTCTTTTATAGAACCATTC	2010
QY	2002	CTAATTTCTATATGTCAATGTTTCTTTTATACAGATATTTATAGTAAGAAACATCAGTA	2061
Db	2011	CTAATTTCTATATGTCAATGTTTCTTTTATACAGATATTTATAGTAAGAAACATCAGTA	2070
QY	2062	AATGCTAGCTGCAAGTACATCTCTTTGATGTCATATGGAAGATTTAAACAGTGGAGA	2121
Db	2071	AATGCTAGCTGCAAGTACATCTCTTTGATGTCATATGGAAGATTTAAACAGTGGAGA	2130
QY	2122	AATTCCTTATTTACAAATGAATGCTGCTTCCCTCCGTCGCCCAAGACTTTATTCACAT	2181
Db	2131	AATTCCTTATTTACAAATGAATGCTGCTTCCCTCCGTCGCCCAAGACTTTATTCACAT	2190
QY	2182	TACCTAGATTCACATATTTCTTTAAATTTGATCTCAGGCGCTCCCTCAACCCGAC	2235
Db	2191	TACCTAGATTCACATATTTCTTTAAATTTGATCTCAGGCGCTCCCTCAACCCGAC	2244
RESULT 7			
US-60-243-521-8			
; Sequence 8, Application US/60243521			
; GENERAL INFORMATION:			
; APPLICANT: Hopkins, Christopher M.			
; APPLICANT: Peterson, David P.			
; APPLICANT: Cocks, Benjamin G.			
; TITLE OF INVENTION: GENES REGULATED IN ACTIVATED T CELLS			
; FILE REFERENCE: PA-0042 P			
; CURRENT APPLICATION NUMBER: US/60/243.521			
; CURRENT FILING DATE: 2000-10-25			
; NUMBER OF SEQ ID NOS: 116			
; SOFTWARE: PERL Program			
; SEQ ID NO 8			
; LENGTH: 2385			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
; FEATURE:			
; NAME/KEY: misc_feature			
; OTHER INFORMATION: Template ID: 331616.2			
US-60-243-521-8			
Query Match	95.2%;	Score 2151.6;	DB 63; Length 2385;
Best Local Similarity	99.4%;	Pred. No. 0;	
Matches 2201; Conservative	0;	Mismatches	9; Indels 4; Gaps 4;

OY 25 ACCTGACAGACAGACACTCCCTTT-GGCAAGACCTGAGACCCCTTGCTGAAGTCAGA 83
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 Db 92 ggcctcaatggcctgcagagaaactagagaagaccagcaagcaacagcatattccatg 151
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 Db 152 aaatgtcagagcaccagagagacttatggaacatctcgaagtgtggyggtgagacatg 211
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 Db 212 ctctgttgtgattctccctggacatcatggaaccgactctggaacttaccattatctgaa 271
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 Db 272 aaacccatggaactggcaaaaggctagagaatctcgccgagacaattacacagatlaagt 331
 OY 324 GCCATACAAAACAAGCGGAAATTTAGTATCTGAGAGAGACTGCGCTTCAGTCTTCT 383
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 OY 1642 ATGAGCTCAGTTTCTTGGCAGATCAAATTTACGTCGTCCTGTGTATCTGTGAGGTAC 1701
 Db 1652 atgagctcagtttcttctgagataatcaatcagtcgcttctctgataatcgtgaggtac 1711
 OY 1702 ACTGTATGAAAGTTCAAAAAGTCTACGCTCTCTCTTCTTCAACGTCAGTGAAGTAA 1761
 Db 1712 actctataagaagatcaaaaagctcaagctctctcttcttcttcaactccagtgaaagtaa 1771
 OY 1762 TGGGGTCTGCTCAAGTTGAAAAGTCTTATTTGCACTGTAGCCTGCGCTGTGTAAT 1821
 Db 1772 tggggtcttcgctcaagtttgaagaagctcatttgaactgtagccctgcgcgttgatct 1831
 OY 1822 GGACCATCCTATTTAACTGAGCTTCAAGGCTGCCACCTTTTTCAGCCACCTCTCTTTTC 1881
 Db 1832 ggaccatcctatttaactgagcttca-gcttccccacttcttcagccacactcttcttc 1890
 OY 1882 AGTGGCTGACTTCACACGCTGACATCTCATGAGTGGCCAAAGGAGAGAGAGAGA 1941
 Db 1891 agtggctgacttccaacactagcatccaagtgagccaaagcaaaagagagaagaga 1950
 OY 1942 AATAGCCTGCGGGTTTTTAATGTTTTGGGGTTTTGCTGTTTCTTTATGAGACCCATTTC 2001
 Db 1951 aatagcctgcggtgttctttagtttgggttgggttcttgcgttccctttagtgaccacttc 2010
 OY 2002 CTATTTCTTATAGTAAATGTTTCTTTTATCAGGATATTATTAGTAAGAAAATCATCAGTA 2061
 Db 2011 ctattcttataagtaaatgattcttcttcttcaagatattattagtaagaanaaacatcatgta 2070
 OY 2062 AATGCTACCTGCAAGTGAATCATCTCTTATGATGCTAATATGAGAGAGATTTAAACAGGTGGAGA 2121
 Db 2071 aatgctacgtcgaagtgaacatctcttgtatgataatggaagattaaaacaggtgagaga 2130
 OY 2122 AATTCTTGATTACACATGAAGATGCTCTCTTCTTCCCTGCCCCGAGAACTTTTATCCACT 2181
 Db 2131 aattccttgattccaagaatgactctccttcccttccctgccccagaaacttattcacact 2190
 OY 2182 TACTAGATTTGTACATATTTCTTTAAATTTTCAATCTCAGGCTCCTCAACCCGAC 2235

Db 2191 tactagatctacatactcttaattctacatctcagccctccctcaacccac 2244

RESULT 8
US-60-324-185-22258
; Sequence 22258, Application US/60324185
; GENERAL INFORMATION:
; APPLICANT: Morris, MacDonald
; APPLICANT: Lal, Preeti
; APPLICANT: Diep, Dinh
; TITLE OF INVENTION: METHOD FOR THE IDENTIFICATION OF SEQUENCE POLYMORPHISMS USING
; TITLE OF INVENTION: POLYNUCLEOTIDE SEQUENCE DATABASES, AND SINGLE NUCLEOTIDE
; TITLE OF INVENTION: POLYMORPHISMS IDENTIFIED THEREBY
; FILE REFERENCE: GX-0019-1 P
; CURRENT APPLICATION NUMBER: US/60/324,185
; CURRENT FILING DATE: 2001-09-21
; NUMBER OF SEQ ID NOS: 35862
; SOFTWARE: PERL Program
; SEQ ID NO 22258
; LENGTH: 2385
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No: 331616.2
US-60-324-185-22258

Query Match 95.28; Score 2151.6; DB 71; Length 2385;
Best Local Similarity 99.48; Pred. No. 0;
Matches 2201; Conservative 0; Mismatches 9; Indels 4; Gaps 4;

QY 25 ACCGCGACGACGACGACACTCCCTTT-GGCAAGGACCTGAGACCCCTGTGGCTAACTGACA 83
Db 32 accgcgcacacacacacccctcttggcagaagaccctgaagccctctgctaagctcaaga 91
QY 84 GGCCTCATGGGCTGACAGAACTAGAGAAAGGACCAAGCAAGCCATGATATTTCATG 143
Db 92 ggcacatgggctgacagaaagacatagaaagaccagaacacacagatattccatgg 151
QY 144 AATGTACAGACCCGACGAGGACTTATGAAATCTTCAAGTGTGGGGGTGACAAATG 203
Db 152 aaatgtagagacccacacagaggaactatgaaacatcttcaagcttgaggggctgacaatg 211
QY 204 CTCTGTGTGATTCCTCGGCAATCATGGAACCTACTGCTGACTTACCATATTTCGAA 263
Db 212 ctctgtgtgattctccgacatcatggaacgcagctgctgacttaccattatctgaa 271
QY 264 AAACCATGAAGTGGCAAGGCTAGAAAGATTCTGCCGAGACAAATTACAGATTAGTT 323
Db 272 aaacccatgaactgycaaaaggcctagaaagatctcgcgaagcaattacacagatttgct 331
QY 324 GCCATACAAAACAGCGGAAATTGATTCGTGAGAGAGACTGCCCCCTTCAATGCTTCT 383
Db 332 gccatataaaacagcggaattgagtatctgagaagaaactcgccttcaagctgcttct 391
QY 384 TACAGTGAATAGGAATCCGGAAGATAGAGAGATATGAGCTGGTGGGAGAACCAAAA 443
Db 392 taacacggaatagaaatccggaagataggaatatacgagctggggagaaacaaacaa 451
QY 444 TCTCTCACTGAGAGAGAGAACTGGGAGATGCTGAGCCCAACAACAAGAAACAAAG 503
Db 452 tctcttactgaaagaaagcagaaactgaggagatgggagcccaacaaagaaagaaag 511
QY 504 GAGGACGTCGTGAGATCTATATCAAGAGAAACAAAGATGACGCAATGGAACGATGAC 563
Db 512 gaggacgctgctgagatctatatacagaagaacaaatgagagcaaatggaacgatgac 571
QY 564 GCCGCGCAACAACCTAAAGGACGCGCTCTGTACACAGCTTCTTGGCAGACCTGGTCAATG 623
Db 572 gccgcgcaacaacaaagcgagccctcgttacaacagcttcttgcagcccttgatcagc 631
QY 624 AGTGGCATGAGAGATGTAGAAATCATCAATATATCACACTGCAACTGTGATGTGGG 683

Db 632 agtggcatgagaatctgtgaaatcatcaataatcacactgacatgtagtggg 691
QY 684 TACTATGGGCCCACTGTACCTGTGATTCAGTGTGACCTTTGGAGCCCAAGCTG 743
Db 692 tactatggccccagctgacatttgatctcagctgagcccttggagccccagagctg 751
QY 744 GGTACCATGAGACTGTACCTACCCCTTGGAAACTTACACTTCAGCTCAGCTGCTTC 803
Db 752 ggtacacagactgtaaccaccccttggaaactcagctcagctcagctcagctc 811
QY 804 AGCTGCTTGAAGCAACAACCTTAAGTGGATTGGAAGAAACACCTGTGACCAATTGGA 863
Db 812 agctgcttgaagaaacaaacttaactgagatgagaagaacacacctgagacatttga 871
QY 864 AACTGTCATCTCCAGAACCAACCTGTCAAGTATTCAGTGTGACCTGTATCAGACCA 923
Db 872 aactgctatctccagaacaaacctgtaagtgatctcagctgagccctacagcacca 931
QY 924 GATTGGGGATCAGTAAGTATGAGCATCCCTGGCCAGCTTCAGCTTACCTGTCAGT 983
Db 932 gattgggatacagaaactgagcaatccctggccagcttcaagcttcaactgacatg 991
QY 984 ACCTTCATCTGCTGAGAGAACTGAGTTAATTGGGAGAGAAACCATTTGTGATCA 1043
Db 992 acccttcatctgctcagaagagacagatgaaatgaggaaagaaacacattgtagaaca 1051
QY 1044 TCTGGAAATCTGTCMAATCTAGTCCAAATATGTCMAAAATTTGACAAAGTTTCTCA 1103
Db 1052 tctgaaatctgctcaaacctcagtaacatgtaacaaatctgaaacaaagcttccaa 1111
QY 1104 ATTAAGAGGGGTGATTAACCCCTCTTCAATTCAGTGGGACAGTACATGTTACTG 1163
Db 1112 actaagagggctgactaataacccctctcatctcagctgagcaatgagtaactgacatc 1171
QY 1164 TCTGGGTGCTGATTTATTTGCTGCAAGAGATTAATAAAGCAAGAAATTCAG 1223
Db 1172 tctgggtgctgacttatcatcttgcctgcaagagatcaaaaaagaaagaaatccaa 1231
QY 1224 AGAAGTATGAATGACCCATATTAATGCGCCCTTGCTGTAAGAAATTTCTTGAATCTAA 1283
Db 1232 agaaatgaatgaaacccatataaactgccttggtagaagaaatcttgaataactaa 1291
QY 1284 AATCATGAGATCCCTTAATACCTTCCATGAAGCTTTGCTGGTGCACCTGCTACTG 1343
Db 1292 aaatcatgagatccctttaaaccctccacagaaacgcttctgagggacccctcagct 1351
QY 1344 CAAACATGAAGTGTG-TTCCCTTCAAGTGCATCTGGGAAGATTTCTAACCGAACCAAGTTC 1402
Db 1352 caaacatgaagctgcttccctcagctgcaatctgggaagatcttcaaccgacaaagctc 1411
QY 1403 CTTCAGCTTCATTTGCGCCCTCATTTATCCCTCAACCCCAAGCCACAGGTGTTATAC 1462
Db 1412 cttaagcttccatctgcgccctcatltaaccctcaaaccccaagcccaagctgttatac 1471
QY 1463 AGCTCAGCTTTTGTGCTTTTGAAGGAGAAACAATAGACCAT-ANGGGAAAGATGCA 1521
Db 1472 agctcagcttcttgccttctcaggaagaacaaataagacacaaaggaagaaatca 1531
QY 1522 TGTGAATATTAAGATGGCTGACTTGTGCTTTTCTTGTGACTTGTGTTCAATTTC 1581
Db 1532 tgtgaaataaagaatgagctgacttgccttctcagcttcttgccttctcagcttcaatc 1591
QY 1582 AGTCTGTACTTGTATGACAGACCTTCAATTAAGATGCAAAATTTGATACATATGTGAAT 1641
Db 1592 agtctgtacttgaatgaagcacttcaataagtgcaaatctgatacaatagtgatc 1651
QY 1642 ATGAGCTAGTTTCTTTCAGATCAATTAATTCACGCTGCTCTGATACCTGAGAGTAC 1701
Db 1652 atgagctagcttctcagcaataaactcaagcgccttctcagatacagctgagggatc 1711
QY 1702 ACTCTTATAGAAAGTTCAAAAAGTCTACGCTCTCTTCTTCTTCACTCCAGTGAAGTAA 1761

Db 1712 acccttataaagaattcaaaaagctacgctctccctctcttcttactactcaagtaagtaa 1771
Qy 1762 TGGGGTCTGCTCCTCAAGTTGAAAGATCCTATTTGACCTGTAAGCCTCGCTGTGTGAATT 1821
Db 1772 ttgggtccctgctcaagtgtaagaagctctatcttgcaactgtagcctgcgctctgtagatt 1831
Qy 1822 GGAACATCCATTTAACTGGCTTCAGGCCCTCCGACCTCTTTAGCCACCTCTCTTTTTC 1881
Db 1832 ggaaccatccatttaacttaactgcttca-9cctcccaactcttccagccaactctcttcc 1890
Qy 1882 AGTTGGCTGACTTCACACCTAGCATCTCATGATGTCGAAGCAAAAGAGAGAAGAGA 1941
Db 1891 agttagctgctctcccaactcagcatctcatgagtgccaaagcaaaagagaagaaga 1950
Qy 1942 AATAGCCTGCGCGGTTTTTGTAGTTGGGGGTTTTGCTGTTTCTTTTATAGACCCATTC 2001
Db 1951 aatagcctgcgcgtctttagtcttggttggttggtctgcttcttctttagagccattc 2010
Qy 2002 CTATTTCTTATACATATGTTCTTTTATACATATTTATAGTAAGAAAACATCATCTGA 2061
Db 2011 ctattcttctatagctacgtcttcttcttctatcaagatactatagtaagaacaactcag 2070
Qy 2062 AATGTAGCTGCAAGTACATCTCTTTGATGTCATATGGAAGAGTTTAAACAGTGGAGA 2121
Db 2071 aatgtcagctgcaagtgacatctctcttgatgctacataagagaagttcaaaacagtgaga 2130
Qy 2122 AATTCCTGATTCACAATGATGCTCTCTCTTCCCTGCCCCCAGCAACTTTTATCCACT 2181
Db 2131 aatctcttgattcaacatgaatgctctctctcttcccttccctgccccagaaactttatccact 2190
Qy 2182 TACCTGATTCATATCTTCTTAAATTCANCTGAGGCTCCCTCAACCCAC 2235
Db 2191 taactagattcaacatcttcttcaattcaatctcagcctccctcaacccac 2244

RESULT 9
US-60-213-360-1118
; Sequence 1118, Application US/60213360
; GENERAL INFORMATION:
; APPLICANT: Morris, MacDonald
; APPLICANT: Lal, Preeti
; APPLICANT: Diep, Dinh
; TITLE OF INVENTION: Method for the Identification of Sequence Polymorphisms Using
; TITLE OF INVENTION: Polynucleotide Sequence Databases, and Single Nucleotide Polymor
; FILE REFERENCE: GX-0014 P
; CURRENT APPLICATION NUMBER: US/60/213,360
; CURRENT FILING DATE: 2000-06-21
; NUMBER OF SEQ ID NOS: 8347
; SOFTWARE: PERL Program
; SEQ ID NO 1118
; LENGTH: 2385
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No: 331616.2
US-60-213-360-1118

Query Match 95.2%; Score 2150; DB 60; Length 2385;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 2200; Conservative 0; Mismatches 10; Indels 4; Gaps 4;

Qy 25 ACCTGACGACGACACTCCCTTT-GGCAAGACCTGAGACCTTGCTAAGTCAAGA 83
Db 32 acctgacgacgacacactcccttggcgaagacctgagacccttggctaaagcaaga 91
Qy 84 GGCCTAATGGGTGAGAGAAGACTAGAGAAGCAAGCAAAAGCCATGATATTTCCATGG 143
Db 92 ggcctaatgggtgagagaagactagagaagaccgaagcaagcatgatattccatg 151
Qy 144 AATGTGAGAGACCCAGAGGAGCTTATGGAACATCTTCAAGTGTGGGGTGCACAATG 203

Db 152 aaatgcaagagcaccacgaagagcttatgaaacatctcaagtgtggygggtggaacatg 211
Qy 204 CTCTGTTGATTTCTCGGACATCATGAACTACTGCTGGAGCTTACATTAATCTGAA 263
Db 212 ctctgttgatgttctctgacatcttgaaacgactgtgacttaccattattctgaa 271
Qy 264 AACCCATGAACGTGCGAAGCGCTAAGATTTCTGCGAGACAAATPACAGATTAGTT 323
Db 272 aaaccatgaactgcaagaagggctagaagaattctgcgcgagacaattacagatttagt 331
Qy 324 GCCATCAAAAACAGCGCGAAATTGATATCTGGAGAACCTTGCCCTTACGTGTTCT 383
Db 332 gccatacaaaacaagcggaaattgagtacttgagaagaacctgccttcaagtcgttct 391
Qy 384 TACTACTGATAGGATCCGGAAAGATAGAGAAATPAGACCTGGGTGGGAACCAAAA 443
Db 392 tactactgatatggaatccggaagataagagaatatggaacgtggtggtggaaccaaaa 451
Qy 444 TCTCTCACTGAAGACAGAACTGGGAGATGTTGAGACCCCAACACAAAGAAACAAG 503
Db 452 tctcttactggaagagcagaagacctggygagatggtgagcccaacaagaagaacaag 511
Qy 504 GAGGACTGCTGGAGATCTATATCAAGAGAAACAAAGATGACGGCAATGGAACGATGAC 563
Db 512 gagagactgctgagatctatatacaagaaacaagaatgacgcaaatggaacgatgac 571
Qy 564 GCCTGCGCAAACTAAAGCGACCCCTGTTACAGCTCTTGGCACCCCTGGTGCATGC 623
Db 572 gccctgccaacaaactaaaggcaagccctctgtttacaaagcttcttgcaagccctggtcagtc 631
Qy 624 ACTGGCCATGAGAAATGTTAGAAATCATCAATTAATCAACACTGCACTGATGATGGGG 683
Db 632 agtggccatggaagtgtgtagaatcaatcaatlaacttaacactgtaactgtgagtgtg 691
Qy 684 TACTATGGGCCCCCATGTCAGTTGTGATTCAGTGTGAGCTTTGGAGCCCCAGAGCTG 743
Db 692 taactatggccccagtgtaagttgtagttcagtgtagcttlttgagggccccagagctg 751
Qy 744 GSTACATGAGACTGATACATCACCCTTTGGAAACTTCACCTTCAGCTCAGTGNCCCTTC 803
Db 752 ggtacacagagactgtaacccaactcttggtgaaactcagactcagactcagatgtgcttc 811
Qy 804 AGCTCTCTGAAAGAACAACTTAACTGGATGGAAGAACCACTGTGGAACATTTGGA 863
Db 812 agctgctctgaagaaacttaactgagttgagaagaaacacactgtggtgacctttgga 871
Qy 864 AACTGTGATCTCCAGAACCAACTGTCAGTGAATGATTCAGTGTGAGCTTTCAGACCA 923
Db 872 aactgtcatctccagaacaaactgtaactgagttgagttgagctcttcaactgacaca 931
Qy 924 GATTTGGGGATCATGAATGATAGCCATCCCTGGCGACCTTCAGGTTACCTGATGAT 983
Db 932 gatttggggatcatgaactgttagccatccctgtgcagactcagacttcaactcgtcatgt 991
Qy 984 ACCTTCATCTGCTCAGAGAACTGATTAATTTGGGAAGAAACCACTTTGTGAATCA 1043
Db 992 accctcatctgctcagaagaaacttgatlaatttggagaagaaacacatttggatca 1051
Qy 1044 TCTGGAATCTGTCAAATCTCAGTCCAGTCCATATGTCAAAAATTTGGCAAAAGTTTCTCAT 1103
Db 1052 tctggaaactctgtaaaacccctcagtaacatagtaaaatgtgcaaaaagtttctcatg 1111
Qy 1104 ATTAAGAGGGGTGATTAATACCCCTCTTCAATTCAGTGCAGTCAATGTTACTGCATTC 1163
Db 1112 attaaagaggggtgattataaaccctctcaacttccagtgtagatgcatgattcagatctc 1171
Qy 1164 TCTGGGTTGGCATTTATCATTTTGGCTGGCAAGAGATTTAAAAAAGCAAGAAATCCAAG 1223
Db 1172 tctggtgtgcatattatcatcttggctgtgcaagagatttaaaaaagcaagaatcccaag 1231
Qy 1224 AGAAGTATGAATGACCCATTAATTAATGCTTGTGTAAGAAATCTTGGAAATATAA 1283


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Db 770 ggtacatgactgactcaacccttgggaacttcagcttcagctcagcttcttctc 829
QY 804 AGTGTCTTGAAGAACAACTTAACGTGGATTTGAAGAAACCCCTGTGACCATTTGGA 863
Db 830 agtctgcttgaagaaacaaacttaacttggaatggaagaaacacactgtgacatttga 889
QY 864 AACTGTCAATCTCCAGAACCAACCTGTCAAGTATTCAGTGTAGAGCCTATCAGACCA 923
Db 890 aactgtcatctccagaacacacactgtcaagtgatcagtgtagcctcattacaacca 949
QY 924 GATTGGGGATATGAAGTGTAGCCATCCCTGGCCAGCTTGACGTTTACCTTGACATG 983
Db 950 gatttgggatactagacgttagcaccctcctggcagcttcagcttaccctgcatgt 1009
QY 984 ACCTTATCTGCTCAGAGAACTGATTAATTGGGAAGAGAAACCATTTGTGATCA 1043
Db 1010 accttcatctgcagaaagaaactgataattgggaagaaagaaacacatttgaatca 1069
QY 1044 TCTGGAATCTGCTCAATCTCAGTCCAAATATGTCAAAAATTGACAAAAGTTTCTCATG 1103
Db 1070 tctggaaactgtgcaaatctcagtcacataatgcaaaaatttgacaaaagttctcaag 1129
QY 1104 ATTAAAGAGGGTGATTAATACCCCTCTTCATTCAGTGGCAGTCATGGTTACTGCATTC 1163
Db 1130 attaaaggagtgatataaacccctctcatccagtgcgagtcacgttactgcattc 1189
QY 1164 TCTGGGTGGCAATTTATTCATTTGGCTGGCAGAGAGATTTAAAAAAGCAAGAAATCCAG 1223
Db 1190 tctgggttggcatttaccattctgctggcagaaagaaatataaaaaaggcaagaatccaa 1249
QY 1224 AGAAGTATGAATGACCCATTTAAATGCCCCTGTGTAAGAAAGAAATTTCTGGAATCTAA 1283
Db 1250 agaagatgaatgaagcccatattaaatcgcccttgtaagaaatattcttgaataactaa 1309
QY 1284 AATATCATGATTCCTTTAAATCTTCATGAAACGTTTGTGTGGCAGCTCCTACGT 1343
Db 1310 aaatcatgatactcttaaatcttccatcagaaacgtttgtgtgagcactcctcagct 1369
QY 1344 CAACATGAAAGTGTG-TTCCCTCAGGATCTGGGAAGATTTCTCCCAACCAACAGTTTC 1402
Db 1370 caaaatgaagtggttcttccctcagtgacatctgggaagattcttaccgcaaacagcttc 1429
QY 1403 CTTCAGACTTCATTTGCCCCCTCATTTATCCCTCAACCCCCAGCCACAGTGTATATAC 1462
Db 1430 ctccagcttccattcgcgccctcatattacccctcaacccccagcccaagtgattatcc 1489
QY 1463 AGCTCAGCTTTTGTCTTTTCTGAGAGAGAAACAAATTAAGACAT-AAAGGAAAGATTA 1521
Db 1490 agctcagcttcttctccttctcgaagagaaacaaataagacataaaggaagattca 1549
QY 1522 TGTGGAATTAAGAATGCTGACTTTGCTTTCTTGACTCTTGTGTTTCAATTCATTC 1581
Db 1550 tgtggaataataaagatgctgacttgccttcttgcactcttgcattcagtttcaatlc 1609
QY 1582 AGTGTCTGACTTGAAGACAGACATTTCAATTAAGAGTGAATTTGATACATATGTGAAT 1641
Db 1610 agtctgtacttgatgacagacacttcaaatgaagtgcnaattgataacataatgtgat 1669
QY 1642 ATGAGCTCAGTTTCTTCAGATCAAAATTTACGTCGTCTTCTGTATATCTGTGGAGTAC 1701
Db 1670 atgagctcagttctctgcagatcaaatltaacgctcgtcttctgataactcgtggaggtac 1729
QY 1702 ACTCTTATGAAGAAGTTCAAAAAGTCTAGCCTCTCTTCTTCTTCAACTCACTGAAGTAA 1761
Db 1730 actctatagaagaagtcaaaaaagctacgctctccttcttcttcaaccacagtgagaata 1789
QY 1762 TGGGCTCTGCTCAAGTTGAAGAGACTCTATTTGCTACGTGAAGCTCGCGCTGTGAATT 1821
Db 1790 tggggctctgctcaagtgaaagagctcatttgacatgagcctcgcgctgtggaatt 1849
QY 1822 GGACCATCCTATTTAACGGGCTTCAGGCTCCCAACCTTTTCAACCAACCTCTCTTTTTC 1881

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Db 1850 ggaacatccatttaacttgcttca-gcctcccaactcttcttcagccactcttcttc 1908
QY 1882 AGTTGGCTGACTTCCACACCTAGACATCTCATGAGTGCAGCAAGCAAAAAGAGAGAAGA 1941
Db 1909 agtggctgacttccacacactagcatctcatgagtgccaagaaaagggagaagagaga 1968
QY 1942 AATAGCCTCGGGGTTTTTATGTTGGGGTTTTGCTGTTTCTTTTATGAGAACCCATTC 2001
Db 1969 aatagcctcgagctgtttttagtttgggggttctgctgttcttcttctttagaaccatc 2028
QY 2002 CTATTTCTTATAGTCAATGTTTCTTTTATCAGAGATTTATTAAGAAACATCACTGA 2061
Db 2029 ctattctttagtaagtaagtttcttcttcttcaagatattattagtaagaatacatcaga 2088
QY 2062 AATGCTAGCTGAAGTGACATCTCTTTGATGTCATATGGAAGAGTTAAACAGGTGAGA 2121
Db 2089 aatgctagctgaagtgacatctctttagtgcatalatggaagagttaaacagtgagaga 2148
QY 2122 AATTCCTTGATTCAACATGAATAGCTCTCTCCCTGCGCCCGCAAGCTTTATTCAGCT 2181
Db 2149 aattccttgatccaagaagaatgtctccttccctcctggcccgccagaccttlatccact 2208
QY 2182 TACCTAGATTTCATATTTCTTTAAATTTCAATCTCAGGCTCCCTCAACCCAC 2235
Db 2209 taactagattccaatatctttaaattcatctcagggccttccctcaacccac 2262

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RESULT 11
US-09-495-050A-292
; Sequence 292, Application US/09495050A
; GENERAL INFORMATION:
; APPLICANT: Roopa, Reddy
; APPLICANT: Guegler, Karl, J.
; TITLE OF INVENTION: COMPOSITION FOR DETECTION OF GENES ENCODING MEMBRANE-ASSOCIATE
; FILE REFERENCE: PA-0013 US
; CURRENT APPLICATION NUMBER: US/09/495, 050A
; CURRENT FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/118, 318
; PRIOR FILING DATE: February 1, 1999
; NUMBER OF SEQ ID NOS: 305
; SOFTWARE: PERL Program
; SEQ ID NO 292
; LENGTH: 2385
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: incyle ID No: 1876370CBI
US-09-495-050A-292

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Query Match 95.08; Score 2146.8; DB 18; Length 2385;
Best Local Similarity 99.38; Pred. No. 0;
Matches 2198; Conservative 0; Mismatches 12; Indels 4; Gaps 4;

QY 25 ACCTCAGCAGACGACATCCCTTT-GGCAAGGAGCTGAGACCTTGCTGCTAACTCAGA 83
Db 32 accgycagcaagacacactcccttcttggcaagagaccttggccttcttgaagtaaga 91
QY 84 GGCCTAATGGCTCGAGAAGAACTAGAGAAAGACCAAGCAAGCCATGATATTTCCATGG 143
Db 92 ggcctaatggctcgagaagaaactagaagaaagacaaagacatgataatttccatg 151
QY 144 AATGTTCAGACACCCAGAGAGACTTATGAAACATTTTCAAGTTGTGGGGTGGACATG 203
Db 152 aaatgttcagacacccagagagactatggaacatcttcaagttgtgggtggacatg 211
QY 204 CTGTGTTGATTTCTCGGCACATCATGGAACCTAGCTGGAGATTTACATTTATTCGAA 263
Db 212 ctgtgtgtgttctcctggcacaatcaggaacagacgtcgtggaatcaccattctcgaa 271
QY 264 AACCCATGAACGTGCAAAAGGCTAGAAGATTCTGCCGAGACATTTACAGATTTAGTT 323

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Db 272 aaaccatgactgcaaaagggctagaagatctcgccgaagcaattacacagattagct 331
Oy 324 GCCATTAAAAACAAGGGGAAATGAGTATCTGAGAAAGACTGCGCCCTTAGTCGCTTCT 383
Db 332 gccataaaaaaaggcggaatctgagatatactgagaagactctgcctctgaactctct 391
Oy 384 TACTACTGATAGGAATCCGGAAGATGAGAGGATATGAGTGTGAGTGTGAGTGTGAGTGTG 443
Db 392 tactactgagatagaaatccggaagaatagggaaatatacgagcgctggtgaggaaacaa 451
Oy 444 TCTCTCACTGAGAAGACAGAGAACTGGGAGATGGTGAAGCCCAACACAGAGAACAG 503
Db 452 tctctactgaagaagcaggaagactggggagatggtgagcccaacaagaagaacag 511
Oy 504 GAGACACTGCGTGGAGATCTATATACAGAAAGAAAGTGTGAGGCAATGTGAAGATGAC 563
Db 512 gaggactgcttggagactatatacaagaacaagaatgcaaggcaaatggaacgatatc 571
Oy 564 GCCCTGACAAACAAAGGAGCCCTGTTACACAGCTTGTGCAAGCTTGTGTCATGTC 623
Db 572 ggcctgcaacaactaaaggcagccctctgttacaacgctctctgcagccctgttcatgc 631
Oy 624 AGTGGCATTGAGAAATGTGTAAGAAATCATCAATATCACACCTGCAACTGTGATGTGGG 683
Db 632 agtggcattggaagatgttagaataatcaataattacacctgcaactgtgattggtgg 691
Oy 684 TACTATGAGGCCCCAGTGTGACGTTGTGATTCAGTGTGACGCTTTGAGGCCCCAGAGCTG 743
Db 692 tactatgggccccagtgctcagtttgatcagttgtagctcttgaggccccagagactg 751
Oy 744 GGTACATGAGCTACTACACCCCTTGGAACCTTCAGCTTCAGCTTCAGTGTGAGTGTGTC 803
Db 752 ggtacatgagactgactcaaccttgaggaaacttcagcttcagctcaacagctgagcttc 811
Oy 804 AGCTGCTCTGAGAAGAACAACTTAAGTGGATTGAGAAACACACCTGTGACATTTTGA 863
Db 812 agctgctctgaggaaacaacttaactcagtgagatgagaaccacctgtgagccattgga 871
Oy 864 AACGTCATCTCCAGAACCAACCTGTGACGTTGTGAGCTGTATGACACCA 923
Db 872 aactggtcaactctcagaacaacctgtcagaatgagttcagttgagccctctctacagccca 931
Oy 924 GATTGGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 983
Db 932 gatttgggattcatgaaactgttagccatccctggccagcttcagcttcaacctgcagctg 991
Oy 984 ACCTTCATCTGCTCAGAGAACTGAGTTAATTGGAGAAAGAAACCATTTGTGAATCA 1043
Db 992 acctcatctgcacagaagaaactgagttatctggagaagaagaacacatttggatca 1051
Oy 1044 TCTGGAATCTGTCGAATCTGTCGAATCTGTCGAATCTGTCGAATCTGTCGAATCTGTC 1103
Db 1052 tctggaatctggtcgaatctcagttcgaatctcgaatctcgaatctcgaatctcgaatct 1111
Oy 1104 ATTAAAGAGGGTATTAACCCCTCTTCATTCAGTGGAGACAGTATGATGATGATGATG 1163
Db 1112 attaaagagggtatgataaccctctctcatccagctgagcagctgatacagctctc 1171
Oy 1164 TCTGGGTTGGCATTTATCATTTGGCTGCAAGAGATTAATAAAAGCAGAAATTCACAG 1223
Db 1172 tctgggttgcatctatcatcttgcctggcgaagagatataaaaggcaaggaatccaaag 1231
Oy 1224 AGAAGTGTGAATGACCATTTAATATGCGCTTGTGCAAAAGAAATTTCTTGAATCTAA 1283
Db 1232 agaagttgtaatacccatcttaaatgccttggtaagaagaatctcttgaatactaa 1291
Oy 1284 AAATCATGAGATCTTAAATCTTTCATGAAAGTGTGTTGTGTTGTGTTGTGTTGTGTTGT 1343
Db 1292 aaatcatgagatctcttaaatcccttcaatgaaagcttcttgggtggcagctctcagct 1351
Oy 1344 CAAACATGAAGTGTG-TTCTTCACTGATCTGTGGAAGATTTTCAACCGAACACAGTTC 1402
|||||

Db 1352 caaacatgaagtgctgtctctcagtgcatctgggaagattcttaacctgacaaacagctc 1411
Oy 1403 CTTCAGCTTCATTTGGCCCTCATTTATGCCCTCAACCCCAAGCCCAAGCTGTTTATAC 1462
Db 1412 cttaagctctcattcgcctctcatcttaacctcaaaccccaagcccaagtgattatc 1471
Oy 1463 AGCTCAGCTTTTGTCTTTTGTGAGGAAACAATAAGACAT-AAAGGAAAGATTTCA 1521
Db 1472 agctcagctcttctgtctctcttgagggaagaacaataaagacataaagggaaagattca 1531
Oy 1522 TGTGAAATATAAGATGAGTGTGATTTGCTTTTGTGATCTTGTGATCTTGTGATCTTGTG 1581
Db 1532 tgtgaaatataaagatggtctacttgcctctctctctctctctctctctctctctctcaat 1591
Oy 1582 AGTCTGTACTTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1641
Db 1592 agtgcgtacttgaatgaagacactctcaaatgaaatgaaatgaaatgaaatgaaatgaaat 1651
Oy 1642 ATGACATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1701
Db 1652 atgacatgattctctctgagatcaaatctcaatctcaatctctctctctctctctctct 1711
Oy 1702 ACTCTTATGAAAGTCAAAAAAGTCAAGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1761
Db 1712 actcttaagaagttcaaaaagttcaagctctctctctctctctctctctctctctctcaat 1771
Oy 1762 TGGGGTCTGCTCAAGTTGAAAGATCTTATTTGACATGATGATGATGATGATGATGATG 1821
Db 1772 tggggctctgctcaagttgaaagatctctctctctctctctctctctctctctctct 1831
Oy 1822 GGACATGCTCTTATTAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1881
Db 1832 ggaacatccatcttaactcagctctca-gcctcccaactctctcagccctctctctct 1890
Oy 1882 AGTGGCTGATCTCACACCTAGCATGATGATGATGATGATGATGATGATGATGATGATG 1941
Db 1891 agtggctgactctcacacactcagctctcagctctcagctctcagctctcagctctcag 1950
Oy 1942 AATAGCTGCGCGGTTTTTATGTTGGGGGTTTTGCTGTTTCTTTTATGAGACCATTC 2001
Db 1951 aatagctgcgctgttcttcttcttcttcttcttcttcttcttcttcttcttcttct 2010
Oy 2002 CTATTTCTTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2061
Db 2011 ctattctctatagctaatgttctctctctctctctctctctctctctctctctctct 2070
Oy 2062 AATGCTAGCTGCAAGTGCATCTTGTGATGTCATGATGATGATGATGATGATGATGATG 2121
Db 2071 aatgctagctgcaagtgacatctctctctctctctctctctctctctctctctctct 2130
Oy 2122 AATTCCTTGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2181
Db 2131 aatcctctgattcacaatgaaatgtctcctctctctctctctctctctctctctct 2190
Oy 2182 TACTAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2243
Db 2191 tactagatctcatatattcttaattcaatctcagagctctctctctctctctct 2244

RESULT 12
US-60-118-318-292
; Sequence 292, Application US/60118318
; GENERAL INFORMATION:
; APPLICANT: Roopa, Reddy
; APPLICANT: Guegler, Karl, J.
; APPLICANT: Au-Young, Janice
; TITLE OF INVENTION: COMPOSITION FOR DETECTION OF GENES ENCODING MEMBRANE-ASSOCIATE
; FILE REFERENCE: PA-0013 P
; CURRENT APPLICATION NUMBER: US/60/118,318
; CURRENT FILING DATE: 1999-02-01
; NUMBER OF SEQ ID NOS: 306
; SOFTWARE: PERL Program
; SEQ ID NO 292

LENGTH: 2385
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE: -
OTHER INFORMATION: 1876370CBI
US-60-118-318-292

Query Match 95.0%; Score 2146.8; DB 50; Length 2385;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 2198; Conservative 0; Mismatches 12; Indels 4; Gaps 4;

25 ACCTGACGACACACACCTCCCTTT-GGCAAGACCTGAGACCCCTTGCTGAAGTCAAGA 83
|||||
32 acctgacgacacacaccccttggccaagacctgagacctgtgttaagtaaga 91
|||
84 GGCTCAATGGGCTGCAGAAAGTAAGAAAGCAAGCAAGCCATGATTTCCATGC 143
|||||
92 ggcctcaatgggctgcagaaagtaagaaagcaagcaagccatgattccatgc 151
|||
144 AATGTCAGAGCACCCAGAGGACTTATGGAACATCTTCAAGTTGGGGTGAGACATG 203
|||||
152 aatgtcagagcacccagagggaactatgaaatctcaagltggygggtgagacaag 211
|||
204 CTCTGTTGATTTCTTGCAATCATGGAACCTACTGCTGACCTTACCATTAATCTGAA 263
|||||
212 ctctgttgatcttcttgacacatcatggaaccgactgctgaccttaccattctcgaa 271
|||
264 AAACCCATGAACGTGGCAAGGGGTAGAAATGCTGCGAGACAAATACAGATTTAGTT 323
|||||
272 aaacccatgaacgtggcaagggtagaaatctgcgagacaaatlaacagattagtt 331
|||
324 GCCATACAAACAAAGCGGAAATAGTATCTGAGAAAGACTCTGCCCTTACGTCTGC 383
|||||
332 gccatacaaaacaaagcggaattgagatctcgtgagaagacctgcttccagtcgtct 391
|||
384 TACTACTGGATAGGAATCCGGAAGATAGAGAGAAATATGACGCTGGTGGAAACAA 443
|||||
392 tactactggataggaatccggaaagatagagaatagtcggtgggaaaccaaaaa 451
|||
444 TCTCTACATGAAGAGACAGAACTGGGAGATGTTGAGCCCAACAAAGAAAGAACAG 503
|||||
452 tctctacatgaagagcagaagaactcgggagatgtagcccaacaagaagagaacag 511
|||
504 GAGGACTGCGTGGAGATCTATATCAAGAAACAAAGATGCAAGCAATGAGACGATGAC 563
|||||
512 gaggactgcttgagatcatatacaagaaacaagatgcaggaataggaacgatgc 571
|||
564 GCGTCGCANAACTAAAGCAGCCCTCTTTACACAGCTTTGCCAGCCCTGCTCATGC 623
|||||
572 ggcctgcanaaaactaaagcagccctctgttacacagcttctgcagccctgctcatgc 631
|||
624 ACTGGCCATGAGAGAAATGTAGAAATCATCAATATCAGACCTGCAACCTGATGGGG 683
|||||
632 actggccatgaggaatgtagaataatcaatlaaacctgcgaactgtgtagtggg 691
|||
684 TACTATGGGCCCCAGTGTCAAGCTTGATTCAGTGTGAGCCTTTGAGGCCCCAGAGCTG 743
|||||
692 tactatgggccccagtgtaaglttgatcagtgtagccttggagggccccagagctg 751
|||
744 GGTACCATGGAGTATGATCAACCCCTTTGGAACCTCAGGTTAGGTCACAGTGTCCCTTC 803
|||||
752 ggtaccatggagtactcaaccccttggaaactcagcttcaagctcagtgtagtcccttc 811
|||
804 AGCTGCTGTGAAGAACTTAACCTGGGATTTGAAGAAACCAACCTGTGAGACATTTGGA 863
|||||
812 agctgctgtgaagaaacttaactacttggtatgagaacaacacctgtagacatttggaa 871
|||
864 AACTGTCATCTCCAGAAACCAACTGTCAAGTATGATTCAGTGTGAGCCTTATACACACA 923
|||||
872 aactgtcatctccagaaaccaacctgtcaagtgatcagtgtagcctctatcagcacca 931
|||
924 GATTGGGGATCATGAAGTATGAGCAATCCCTGGCAGCTTACGCTTACCTCTGCATGT 983
|||||

|||||
932 gatttgggatactagacgtgagccatccctcggccagcttcaagcttaccctctgacgt 991
|||
984 ACCTTATCTGCTCAGAGAACTGATTAATTGGAGACAGAAAAACATTTGTGAATCA 1043
|||||
992 acctatctgctcagaagaactgtagtaattggaaagaagaaacccatttgatca 1051
|||
1044 TCTGAATCGGTCANAACTTAGTCCATATGTCAAAAATTTGACAAAAAGTTTCATATG 1103
|||||
1052 tctggaatctggtcaaatccctagtcacaatgucaaaacttgacaagaagttctcgaag 1111
|||
1104 ATTAAGAGGCTGATTAATACCCCTCTTCAATTCAGTGGCAGTCATGTTACTGCATTC 1163
|||||
1112 attaagagggtgatatataaacccctctcatctcaagtgagcatgtagttagctatc 1171
|||
1164 TCTGGGTTGGCATTTATCATTTTGCTGGCAGAGAGATTTAAAAAAGCAGAAATCCAG 1223
|||||
1172 tctgggttggtcatltaatcttgctgaggaagattaaaaaagcaagaaatcccaag 1231
|||
1224 AGAATGATGAATGACCCATTAATTCGCCCTTGGTGAAGAAATTTCTGGAATACTAA 1283
|||||
1232 agaagtatgaatgacccaataatcgcctctgtagaagaataatcttggaaatactaa 1291
|||
1284 AATATGAGATCTTTAAATCCTTCATGAACGTTTTGTGTGGCACCTCCTACGT 1343
|||||
1292 aatcatgagatcccttaaatcccttccatgaaagcttltgtgtgacacctctacgt 1351
|||
1344 CAAATGATGAAGTGT-TTCCCTTCACTGCATCTGGGAAGATTTCTACCGACACAGTTC 1402
|||||
1352 caaataatgaatgtgttctcctcagtgatctggaagaattctcctcgcgacaacagttc 1411
|||
1403 CTTCAGCTTCCATTTGCGCCCTCATTTATCCCTCAACCCCAAGCCACAGGTTTATATC 1462
|||||
1412 ctctcagcttccatcttcgcccctcatltaaccctcaacccccagccacaagtgattac 1471
|||
1463 AGCTAGCTTTTGTCTTTTCTGAGAGAAACAAATAAGACCAT-AAGGAAAGAGATTCA 1521
|||||
1472 agctcagcttltgtcttctcgtgagagaacaataagacaataaaggaagattca 1531
|||
1522 TGTGAATATGAAGATGCTGACTTGTGCTTGTGACTCTTGTTTCACTTTCATATC 1581
|||||
1532 tgtggaataataaagatcgtgacatctgtcttcttcttgactctgttccagttcaatlc 1591
|||
1582 AGTGTGACTTGTGAGACAGACACTTCTAATGAAGTCAATTTGATATGATGTGAAT 1641
|||||
1592 agtgtgtaactgtgagacaagaaccttcaaatgaagtgcaatttgataactatgtgaat 1651
|||
1642 ATGACCTAGTTTTCTTGCAGATCAAAATTTCAAGCTGCTTCTGTATATCTGTGAGGTAC 1701
|||||
1652 atgacctaagtttctctgcagatacaaatltaagtcgtcttctgtatactgtgtagtgc 1711
|||
1702 ACTGTATAGAAAGTTCAAAAAGTCTACGTCCTGCTTCTTCACTCCAGTGAAGTAA 1761
|||||
1712 actcttaagaagaagttcaaaaagttcaagcctcctcttcttcaactccaagtgaaatla 1771
|||
1762 TGGGTCCTGCTCAAGTTGAAGAAGTCTATTTGACATGTAGCCCTGCGCTGTGATTT 1821
|||||
1772 tgggctcctgctcaagtttgaagaagtcctatlttgacgttagctctgcgtctgtgatt 1831
|||
1822 GGACCATCTTATTAACCTGCTTCAAGGCTTCCCAACCTTCTTCAAGCCACCTCTTTTTC 1881
|||||
1832 ggaaccatcttaactaacggttca-gctccccaacttctcagcaacactctcttctc 1890
|||
1882 AGTTGGCTGACTTCACACCTAGCATTCANAGATGTCGCAAGCAAAAGAGAGAAAGAGA 1941
|||||
1891 agttggctgacttccaacacctcagcatctcatgagtgccaagcaaaaagaaagaaaga 1950
|||
1942 AATAGCCTGCGGGTTTTTATGTTTGGGGGTTTTGCGTTTCCCTTTATGAGACCCATTC 2001
|||||
1951 aatagcctgctgttttttagtttgggggttctgctgttcccttattagagaccattc 2010
|||
2002 CTATTTCTATAGTCATGTTCTTTTATACAGATATTTATGAGAAAAACATCACTGA 2061
|||||

Db 2011 ctattcttatagtaacatgcttcttatacaagataatagtaagaacaacactcgtga 2070
Qy 2062 AATGCTAGTGCATGACATCTTCTTGATGTCATATGGAAGATTTAAACAGGTGAGA 2121
Db 2071 aagctctgcgaagcagacatctctcttgatcagatcagaaagcgttaacaagcgtgaga 2130
Qy 2122 AATTCCTTGATTCACAAATGAATGCTCTCCCTTCCCTGCCCCCAGAACTTTTATTCAC 2181
Db 2131 aatcccttgatcacaatgaaatgctctctccctccctgccccagaaactttatccact 2190
Qy 2182 TACCTAGATTTTCATATTTCTTTAAATTTTCATCTCAGGCTCCCTCAACCCAC 2235
Db 2191 taccatagattctacatactcttataatctcatcagcgtccctcccaacccac 2244

RESULT 13
US-60-278-258-2538
; Sequence 2538, Application US/60278258
; GENERAL INFORMATION:
; APPLICANT: Morris, Macdonald
; APPLICANT: Lal, Preeti
; APPLICANT: Diep, Dinh
; TITLE OF INVENTION: Method for the Identification of Sequence Polymorphisms Using
; TITLE OF INVENTION: Polynucleotide Sequence Databases, and Single Nucleotide
; FILE REFERENCE: GX-0010-1 P
; CURRENT APPLICATION NUMBER: US/60/278,258
; CURRENT FILING DATE: 2001-03-23
; NUMBER OF SEQ ID NOS: 17730
; SOFTWARE: PERL Program
; SEQ ID NO 2538
; LENGTH: 2386
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; OTHER INFORMATION: Incyte ID No: 331616.2
US-60-278-258-2538

Query Match 94.8%; Score 2140.6; DB 66; Length 2386;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 2201; Conservative 0; Mismatches 9; Indels 5; Gaps 5;

Qy 25 ACCTGCAGACACA-GCAACTCCCTTT-GGCAAGACCTGAGACCCCTTGCTAGTCAAG 82
Db 32 accctgcagacagcagcactcccttctgggaagacctgagaccctctgcttaagtcag 91
Qy 83 AGGCTCATGCGCTGCAGAACTAGAGAAGACAAAGCCATGATATTTCCATG 142
Db 92 aggcctcaatgctgcagaaactagaaagaaagcaagcaagccatgatatcttcacgt 151
Qy 143 GAAATGTCAAGACACCAGAGGACTTATGGAACATTTGATGGGGTGGCAAT 202
Db 152 gaaatgtcagagcaccagagggactatggaacatctcaagctgtg999gtgagcaat 211
Qy 203 GCTCTGTGTGATTTCTCTGCACATCATGAACTACTGCTGACATTCATTTTCTGA 262
Db 212 gctctgtgtgatcttctgcacatcatgaaaccgactgctgacatcatcttctga 271
Qy 263 AAAACCATGACATGCGAAAGGCTAGAGAATTTCTGCCGAGACAAATTACAGATTAGT 322
Db 272 aaaaaccatgaactgcaaaaggtcagaaatcttcgcgcgagacaataacacagattcag 331
Qy 323 TGCATATCAAAACAGGCGAAATTTGATATCTGGAGAAGACTCTGCCCTTCACTGCTTC 382
Db 332 tgcatacaaaacagcggaaatctgagtactctgagaaagacatctgcttctcagtcg 391
Qy 383 TTCTACTGATGATGATCCGGAAGATAGAGAATATGACCTGGGTGGGAACCAACA 442
Db 392 ttctactgataaggaatccggaagataagaaatagacgtaagcgtg999gtgaaacacaa 451
Qy 443 ATCTCTCAGTGAAGAACAGAACTGGGAGATGTGAGCCCAACAAAGAAACAA 502

Db 452 atcttactcgaagaagcagagaaactg999gagatg999gacccaacaagaagaacaa 511
Qy 503 GGAGAGTCTGCTGGAGATCTATATCAAGAGAAACAAAGATCAGCAATATGAACATGA 562
Db 512 ggaagactcgtg999gagatctatacaagaagaagaagaatgca999gagaaatgaa 571
Qy 563 CGCTGCGACAAATTAAGGACGCTGTATACAGCTCTTCCAGCCCTGCTGATG 622
Db 572 cgcctgcacaacaaacaaagcagccctcttacaagctctctgcagccctgcagct 631
Qy 623 CAGTGGCCATGAGAAATGTGAGAAATCATCAATATACACTGCACTGATGTGAGG 682
Db 632 cagtgccacagagaaatgtagaataatcaatcaatcaatcaatcaatcaatcaatcaat 691
Qy 683 GTACTATGGCCCCAGTGTACGCTTGTGATTCAGTGTGAGGCTTTGAGGCCAGAGCT 742
Db 692 gtactatg999ccagatgtagatctgtagatcagatgtagatctgtagatctgtagat 751
Qy 743 GGGTACCATGAGCTGATCTACCCCTTTGAACTGACCTTCACTGACCTGACCTG 802
Db 752 gggtaacatgagactgtagatccctctg999gaaactcagctcagctcagctcagct 811
Qy 803 CAGCTGCTGAAAGAAACAACTTAAGTGGATGGAAGAAACCACTGTGACATTTGG 862
Db 812 cagctgctcgaagaagaacaaactaaactgagatgagaaagaacacccctgtagacat 871
Qy 863 AAATGCTCATCTCCAGAACCACTTCAAGTATTCAGTGTGAGGCTTATCAGACAC 922
Db 872 aaactgtcatctccagaaacaaactctcagatgtagatctcagatgtagatctcagac 931
Qy 923 AGATTGGGAGTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 982
Db 932 agatttg999gagatcagacagacagacacccctg999gagacagctcagctcagct 991
Qy 983 TACCTTATCTGCTCAAGAGAACTGATTAATGGAAGAAACCAATTTGTGATG 1042
Db 992 taacttcatcgtcagagaaactgtagatctgtagatctgtagatctgtagatctgtagat 1051
Qy 1043 ATCTGSAATCTGCTCAAAATCTTACTGCAATATGTCAAATAATTTGCAAAATTTCTCAAT 1102
Db 1052 atctggaatcgtcgaatccctagctcgaatctgcaaaatctggaagaagcttctcaat 1111
Qy 1103 GATTAAAGAGGATGATTAATTAACCCCTTCACTGATGATGATGATGATGATGATG 1162
Db 1112 gattaaagagaggtgattataaaccctctcattccagtg999gagatcagcttctcagct 1171
Qy 1163 CTCTGAGTGGCATTTATCATTTTGGTGGCAGAGATTTAAAAAAGCAAGAAATCCAA 1222
Db 1172 ctctggtgtgcatcttactatcttgcgcgcaagagatataaaagaagcaagaatccaa 1231
Qy 1223 GAGAGTATGATGACCCATTAATTAATGCGCTTGTGAAAGAAATAATTTTGAATCTA 1282
Db 1232 gagaagatgaaatgaccataatataatccctctggtggaagaatctctggaatacta 1291
Qy 1283 AAAATCATGATGATCTTAATCCCTTCATGAAGATTTGTGTGGGACCTGCTCAG 1342
Db 1292 aaaatcatgagatcccttataatcccttcaagaaagcttctggtggtgagccctccacg 1351
Qy 1343 TCAAAACATGAAAGTGTG-TTCCCTTCAAGTATCTGGAAGAAATTTCTACCCGCAAAAGTT 1401
Db 1352 tcaaaacatgaaagtggttctctctcagtcagtcagtcagtcagtcagtcagtcagtcag 1411
Qy 1402 CTTTACGCTTCATTTTGGCCCTCTCATTTATTCCTCAACCCCGACCAAGCTTTTATA 1461
Db 1412 ccttcaagcttccatcttgcgccctcatctatccctcaaccccccagcccaagtgcttata 1471
Qy 1462 CAGCTGAGCTTTTGTCTTTTCTGAGGAGAAACAAATAAGACAT-AAAGGAAAGATTC 1520
Db 1472 cagctcagctcttctgcttctctcagagagaaacaaataaagccataaaggaagatc 1531
Qy 1521 ATGTGGAATATAAGATGCTTGTGCTCTTCTTCTGACCTCTTGTAGTTCAATTT 1580

QY	44	CCCTTTGGCAAGGACCTTGAGACCCCTTGTGCTAAGTCAAGAGGCTTCATGGGCTCAGAAAG	103
Db	4	cccttgggcaaggccctgagacccttgctgctaagtaagaggtcctaattggtctgcagaag	63
QY	104	AACATGAGAGAGACCAAGCAACCAATGATATTTCCATGGAATGTCAAGACCCAGAG	163
Db	64	aactagagaagagaccaaagcaatgtaattccatgaaatgtctcagacacccagag	123
QY	164	GGACTTATGAGAACATCTTCAAGTGTGGGGGGGAGCAATAGCTGTGTTGATTTCCGGC	223
Db	124	ggactatgagaactctctaagttctggyggtgagcaatgtctctgttgcatttccgcgc	183
QY	224	ACATCATGGAACCTACTGCTGGACTTACCATTTATTTCTGAAAAACCCATGAATGGCAAG	283
Db	184	acatcatggaacccgactgcctgacttaccattatcttgaanaacccatgaaactgcagaag	243
QY	284	GGCTAGAAAGATTGCGCCGAGACAAATTAACACATTTAGTGTGCAATACAAAAAGGCGGA	343
Db	244	ggctagaagaattctgcgcgagacaattacaagaatttgcatacaaaaaaagagggga	303
QY	344	AATTGAGTATCTGGAGAAAGACTCTGCTCCCTTCACTAGTGGTTCTTACTAGTAGAATCCG	403
Db	304	aattgagatctcggagaagaagactctgccttctcagtcgttcttactactcgtgtagaatccg	363
QY	404	GAAATATGAGGAGAAATNTGAGCGTGGGTGGGAACCAAAATCTCTCACTGAAGACGAGA	463
Db	364	gaatatcaggaggaatactggaacgtyggtyggaaaccaaaactcttaactgaagaagacaga	423
QY	464	GAACCTGGGGAGATGGAGGCCACACAAACAGAAAGAACAGAGACATCGCTGGAGATCTGA	523
Db	424	gaactggggagatcgtggaagcccaacaagaagaagaagaaggaactcgttggagatctca	483
QY	524	TATCTAAGAGAAACAAAGATGACGCAATATGAAAGCATGACGCTTCCCAAACTAAAGGC	583
Db	484	tatcaagagaaacaagaatgycagagaaatggaacgaatgacgctgtcccaacaactaaaggc	543
QY	584	AGCCCTTGTTACACAGCTTCTTGCCAGCCCGGATCGATGACAGTGGCCATGGACATAGTGT	643
Db	544	agccctctgttaacaagctctcttcgcagcctgtgtcatcgaatggtgccatggaagaatggtc	603
QY	644	AGAAATCATCAATATATCACACTGCGAACTGTGATGTGGGGTACTATGAGGCCCCAGTGTCA	703
Db	604	agaatatcaataaataatcaactgcaactgtaactgtaactggtgtactatggtgccaggtca	663
QY	704	GCTTGTGATTCATGTCGATCGCTTGGAGAGCCCGAGCTGGGTACATGAGACGTATCTGA	763
Db	664	gcttgtgattctcagtgtagccttcttggaagccccagagctcgtgtacccaatgtaactgta	723
QY	764	CCCCTTTGGAAACTTCAGCTCAGCTCACAGTGTGCTTCAAGTGTCTGAAGAACAA	823
Db	724	cccttctgggaactcctaagcttcagtcacagtgctgccttcaagctgtcctgaagaaaca	783
QY	824	CTTAACCTGGGATTGAAAGAAACACCTGTGGAGCAATTTGGAAACTGCTCATCTCCAGAAC	883
Db	784	cttaacctggagatttgaagaacaaccctgtgagccatttggaaactgttcatctccagaacc	843
QY	884	AAOCTGTCAAGTATTCAGTGTGAGCCCTCTATCAGCACAGATTTGGGATCATCAACTG	943
Db	844	aaactgtcaagatctcagtgtagccttcaatcaagaacaaagatttgggatacatgaactg	903
QY	944	TAGCAATCCCTCGGCACGCTTACGTTTACTCTGCATGTACTCTATCTGTCTCGAAGG	1003
Db	904	tagcaatccctcgtgcagacttcaagcttcttaactctgtcagcttacccttcatctgtctcagaag	963
QY	1004	AATGTGATTAATTTGGAGAGAAACACATTTGTGAATCTCGAATGTGGTCCAAATCC	1063
Db	964	aactgtgtaattctgggaagaagaacaacatttgtgaatactcctgggaatctgttccaatcc	1023
QY	1064	TAGTCCATATGTCAAAAAATTGGACAAAGTTTCTCAATGATTAAGAGAGGTGATATTA	1123
Db	1024	tagtccaataatgtccaanaatttgcacaaagtcttctcaatgattaaagaggtgagtataaa	1083

Db	632	gcagtgccatcggagaaatctgtaagaataatcaataaattaaactgcgaactcgtgagatg	631
Qy	682	GGTACTATGGGCCCCAGGTGTCAAGCTTGATTTCAAGTGTGACGCTTTGGAGCCCCAGAC	741
Db	692	ggtaactatggccccagatgctcagatcttgatctcagtgtagcctcttgagccccagag	751
Qy	742	TGGGTACCATGGACGTGTACTCAACCCCTTTGGAAACTTCAGCTTGAGTCAAGTGGCC	801
Db	752	tgggtacatcgtgactgtactcaactctcttgggaaacttcagcttcagtcacagtgycct	811
Qy	802	TCAAGTGTCTGTAGAGAACAACTTAAGTGGGATTTGAAGAAACCACTGTGGACATTTG	861
Db	812	tcagctgcgtctctaaaggaaacaaacttaactcgtgattgagaacacacactcgtgacattg	871
Qy	862	GAATCGGTGATCTCCAGAACCAACTGTGCAAGATTTCAAGTGTGAGACCTCTATGAGAC	921
Db	872	gaactcgtgcacatcccaagaaccaactcgtcaagtatcagtgtagccctcactcagcag	931
Qy	922	CAGATTTGGGGATCATGAACTGTATCCCATCCCGGCGAGCTTCAGTTTACCTGTCAAT	981
Db	932	cagatttgggatacgtgacactcgtgacatcccccgtgcagcttcagtttaactcctgcat	991
Qy	982	GTAACCTTCACTGCTCCACAGAGSACTGAGTTAATTTGGAGAAAGAAACCAATTTGTGAAT	1042
Db	992	gtaaccttcaactcgtccagaaagaaactcgtatcaattctggaaagaagaaacacatttgcgat	1051
Qy	1042	CATCTGGAATCGTGCAATCTGTAGTCCAAATATGTCAAAATTTGGCAAAAGTTGTCCA	1102
Db	1052	cattcgtgaactcgtgcacaactcctatgccaataatgtaaaaaattggaacaaagtcttccaa	1111
Qy	1102	TCATTTAAGGAGGGGTGATTTATTAACCCCTCTTCATTTCCAGTGGCAGTCAATGGTTACTGCAT	1162
Db	1112	tgtattaagagggtgattatatacccccctctcattccagtcgagtcacatgtaactgcgat	1172
Qy	1162	TCTCGGGGTGGCAATTTTTCATTTGGGTGGCAAGAGATTTAAAAAAGCAGAAATTCOA	1222
Db	1172	tctctcgggttgcattatcaactcttgcgtcggaaaggaaattcaaaaaaaggcaagaattcca	1231
Qy	1222	AGAGAATGTAGTAATGCCCATTTAATTCGCCCTTGTGTGAAGAAATTTCTTGGATACT	1282
Db	1232	agagaagatgaatgaaccatataaactgccccttgttgaagaagaaattcttcggaatact	1291
Qy	1282	AAAAATCATGAGATCCCTTAAATCCCTTCATGGAAGAGTTTGTGTGTGGACCTCTCACC	1342
Db	1292	aaaaatcatcgtgaatcccttcaatccctccacgtgaacgcttcttgtagccctccac	1351
Qy	1342	GTCAAAACATGAAGTGTG-TTCCCTTCACTGATGTGGGAAGATTTCAACCGACCAACAGT	1402
Db	1352	gtcaaaacatgaaatgctgttctcctcagtcgatctcgtgaagatcttcaactgcgaacaagct	1411
Qy	1402	TCCCTTCACTTCCATTTTCGCCCTCATATTATCCCTCAACCCCGACGCCACAGGTGTTAT	1462
Db	1412	tccttcagactcattctgcgccctcattatccctcaaccccaagccacagtgattat	1471
Qy	1462	ACAGCTCAGCTTTTGTCTTTTCTTGAGAGAAACAATATGAACCAT-AAGGGAAGAGATT	1519
Db	1472	aaagctcagcttcttgccttcttcgtgaggaacaaataaagacataaagggaagaaagct	1531
Qy	1520	CATGTGGAAATATAAGATGCGTGACTTTGCTCTTTCTTGACTCTTGTTTTTCAGTTTCAT	1579
Db	1532	catgtggaataataaagatgctgactcttcttccttcgtactccttggtttcagttcaat	1591
Qy	1580	TCAGGCGGTGCTTGATGAGACAGACACTTCAATATGAAGAGCAAAATTTGATACATATGCA	1639
Db	1592	tcagtgctgtaactcgtgaagacagacactcttaaatgaatgcaaaatttgcatacatatgca	1651
Qy	1640	ATATGAGACTCAGTTTCTTTCACATCAAAATTTACGCTCCTTCTTGATATCAGTGGAGGT	1699
Db	1652	ataatgactcagtttcttcttcgtcagatacaaatcttcacgtctcctctgtataactcgtggagct	1711
Qy	1700	ACACTCTTATATAGAAAGTTCAAAAAGCTACGCTCTCTCTTTCTTAACTCCAGTGAAGT	1759

D	b	1712	aacctctataagaagttc	aaaaagtctaacgctctcccttcttcttaactccagtgaa	17
Q	y	1760	AATGGGCTCCTGCTCAAGTTGAAGAAGTCCATTGTGACACTGTAGGCCTCGCCTGTGTGA	18	
D	b	1772	aatggggtcctgcgtccaagtgtgaaggcttcctatttgcactgtagcctcgctctgtgaa	18	
Q	y	1820	TTGAGCACATCTATTTAACCTGGCTTCAGGCGTCCACCCTTCTTTACGACCATCTCTTTTT	18	
D	b	1832	ttygaccatcctaattcaactgacctca-gcctcccacaaccttcaagcacctctctt	18	
Q	y	1880	TCAGTTGGCTGACTTTCACACCTCAGACATCTCATGTGATGGCCAAGAAAGAGAGAAGA	19	
D	b	1891	tcagttgcgtgacctccacacacctagatctcatgigtgcgaagaagygagaga	19	
Q	y	1940	GAAATAGCTCGCGCGSTTTTTTAAAGTTGGGGGTTTGCTGTTTCTTTTAAGACCCAT	19	
D	b	1951	gaatatgcctgcctgttcttlltagtttggtgggttctgtcttcttctttagagcccat	20	
Q	y	2000	TCCATATTCTTATAGTCATGTTCTCTTATACGATATTATTAGTAGAATAACATCACT	20	
D	b	2011	tccattcttcttagtcaatgttcttcttatacagatatattagtagaagaacacac	20	
Q	y	2060	GAAATGCTAGCTGCAAGTACATCTCTTTGATGTCATATGGAAGATTAAAAAGTGTGA	21	
D	b	2071	gaatbtgactgcgaagytgacatctcttgalcatatgagaggttaaacaagytga	21	
Q	y	2120	GAAATTCCTTGATTCACAATGGAAGTCTCTTCCCCTGCCGCCCAAACTTTTATCCA	21	
D	b	2131	gaattcccttgatccaacgaatgctctcccttccccctgcgcccaagaacttltatca	21	
Q	y	2180	CTTACCTAGATTCTCATATTCTTTTAAATTTTCANTCAGAGGCTCCCTCAACCCCAAC	22	
D	b	2191	cttacctagattctacatatcttctaatttcatctcagcgtccctcaaccac	22	
RESULT 16					
US-09-836-544-30					
; Sequence 30, Application US/09836544					
; GENERAL INFORMATION:					
; APPLICANT: The General Hospital Corporation					
; TITLE OF INVENTION: Rapid Immunoselection Cloning Method					
; FILE REFERENCE: 11-88f					
; CURRENT APPLICATION NUMBER: US/09/836,544					
; CURRENT FILING DATE: 2001-04-17					
; PRIOR APPLICATION NUMBER: US 07/983,647					
; PRIOR FILING DATE: 1992-12-01					
; PRIOR APPLICATION NUMBER: US 07/553,759					
; PRIOR FILING DATE: 1990-07-13					
; PRIOR APPLICATION NUMBER: US 07/498,809					
; PRIOR FILING DATE: 1990-03-23					
; PRIOR APPLICATION NUMBER: US 07/379,076					
; PRIOR FILING DATE: 1989-07-13					
; PRIOR APPLICATION NUMBER: US 07/160,416					
; PRIOR FILING DATE: 1988-02-25					
; NUMBER OF SEQ ID NOS: 37					
; SOFTWARE: PatentIn Ver. 2.0					
; SEQ ID NO 30					
; LENGTH: 2350					
; TYPE: DNA					
; ORGANISM: Homo sapiens					
US-09-836-544-30					
 Query Match 94.2%; Score 2127.8; DB 32; Length 2350;					
Best Local Similarity 99.3%; Pred. No. 0;					
Matches 2179; Conservative 0; Mismatches 12; Indels 4; Gaps					
Q	y	44	CCCTTGGCAGAGACCTGAGACCTTGTCGAATCAAGAGCCTCAATGGGCTGCAGAAC	103	
D	b	4	ccttggcagaagcccgagacccttgctgcaagcaagsgcctcaatggctgcagaag	63	
Q	y	104	AAC TAGAAGAGACCAAGCAAGCAATGATATTTCATGGAATGTGACAGCACCCAGAG	163	

Dh 64 aactagagaagcaagcaagccatgatattccatlggaaatgltcagagccaccag 123
QY 164 GGAATTATGGAACATCTTCAAGTTGTGGGGTGGACAATCTCTGTGTGATTTCCGGC 223
Dh 124 ggactatggaatccttcaagtgtgagggtgagacaatgctcgtgtgattccggc 183
QY 224 ACATCATGGAACCTACTGCTGAGCTTACATTTATTGTGAAAAACCCATGAACTGGCAAG 283
Dh 184 aactatggaacccgactgctggaattccattctcgaataaacctcgaatcggcaag 243
QY 284 GGGTAGAAGTTCTGCCGAGACATTAACAGATTTAGTTGCCATACAAAAACAGCGGA 343
Dh 244 ggtcagaagaattctgcgcgagacaattcacagatttagttgtccatatacaagaaggga 303
QY 344 AATTGAGTATCTGAGAGAGACTCTGCCCTTCACTGCTTCTTACTACTGAGTAAATCCG 403
Dh 304 aattgagatctcggagagactctgccttcaagtcgtcttactactggaataagacg 363
QY 404 GAAGATAGGAGATATGACGTGGGTGGGAGACCAACAAATCTCTCACTGAGAGAGAGA 463
Dh 364 gaagatagagagaaatatygaacgtggtgtggaaaccaaaatctctcactgaagaagcaga 423
QY 464 GAACGTGGAGATGTGAGCCCAACAACAAGAAACAGAGAGACTGCGTGGAGATCTA 523
Dh 424 gaactgggagatcgttgagcccaacaagaagaagaagagactgctggtgagatcta 483
QY 524 TATCAGAGAAAGAAAGATGACAGCAAAATGGAACGATGAGACCTGCCACAACATAAGGC 583
Dh 484 tatcaagaagaacaagaatgcaaggcaaatggaacgatagcctcgcacaacaactaaagc 543
QY 584 AGCCCTCTGTATACACAGCTTCTGCCAGCCCTGGTCATGACATGGCCATGAGATGTG 643
Dh 544 agccctctgttaacagctctctgcgcagccctggttcaatgagtgagcaatggaatggtc 603
QY 644 AGAATCATCAATTAATCACAACCTGCAACCTGTGATGTGGGTACTATGGGCCCAAGTGA 703
Dh 604 agaatacatcaataattacacccctgcaactg tgaatgtggtactatgagcccaactg tca 663
QY 704 GCTTGATTCATGTGTGAGCCTTTGGAGGCCCAAGAGCTGGTACCATGACATCTACTCA 763
Dh 664 gcttgatattcaagltgagaccttggagagcccaagactggtgataccaatgacttaacta 723
QY 764 CCCCTTTGAAACTTCAGCTTACAGCTCACAGTGTGCCCTTACGTGCTGAAGAAACAA 823
Dh 724 cctcttgggaaactctcagctctcacaagtgctgacctgaagctctctgaagaacaaa 783
QY 824 CTTAACGTGGATTGAAGAAACACACTGTGAGCAATTTGAAACTGTCATCTCCAGAAC 883
Dh 784 cttaactgggaatcgaagaacaacacactgtggaacatttgaaactgtcatctccagaac 843
QY 884 AACCTGTCAAGTATTCAGTGTGAGCCTCTATCAGCACACGATTTGGGGATCATGAATG 943
Dh 844 aacctgtcaagtgatcagtgtagcctctatcagcacagacttgggagatcatalgaactg 903
QY 944 TAGCCATCCCTGGCCAGCTTACAGCTTACCTGTGATGACTTCACTGCTGACAGAG 1003
Dh 904 tagcattccctcggccagctctcagctcttaactctgcatcgttaactctcgtccagaag 963
QY 1004 AACTGAGTTAATTGGAGAGAAACCACTTGTGAATCATCTGGAATCTGTCAAAATCC 1063
Dh 964 aactgagttaatcggagagaagaacaacatttggaaatcctcgaactcgtgcaaatcc 1023
QY 1064 TACTCCAATTTGTCAAAATTTGGACAAAATTTCTCATTAATTAAGAGAGGTGATTTAA 1123
Dh 1024 tagtcaaatatgtcaaaaatltgacaaaagtcttccaatgatatgaagaggtgaltataa 1083
QY 1124 CCCCTCTTCATTCACAGTGCATCATGTTACTGATTTCTGGGTGGCATTTATCAT 1183
Dh 1084 cccctcttcatctccagtgagcatcagtgtactgcatctctcgggttggcatttatcat 1143
QY 1184 TTGGCTGGCAAGAGATTTAAAAAAGCAAGAAATCCAGAGAAGTATGAATGACCCATA 1243
Dh 1144 ttggctggcaagagatttaaaaaagcaagaatatccaagaagtatgatacccata 1203

QY 1244 TTAATGCGCCCTTGGTGAAGAAATTTCTGGAATACTTAAATAATCATGAGATCCTTTAA 1303
Dh 1204 ltaaatcgcccttgggtgaagaanaaatctcttgaataactaaataacatgagatcccttaaa 1263
QY 1304 TCCCTTCATGAACGTTTGTGTGTGGACCTTCCTACGTCACATGAAGTGTG -TTCC 1362
Dh 1264 tcccttcaatgaacagtttbtgtgtgtgagccctccctcagtcacaacatgaaagtgtgttcc 1323
QY 1363 TTCAGTGCATCTGGGAAGATTTTACCCGACCAACAGATTCCTTCACGTTCCATTTCCGCC 1422
Dh 1324 ttcagtgcatctgggaagattcttaactctgaccacaagttcccttaagcttcaattcggcc 1383
QY 1423 CTGATTTATCCCTCAACCCCCAGCCCAAGAGTGTATTAAGCTACACTTTTGTCTTT 1482
Dh 1384 ctaattatcccttaaccccccaagcagtglttaataagctcagcttltgtcttct 1443
QY 1483 CTGAGAGAAACAATTAAGACAT -AAGGGAAGAGATTCAATGTGAAATTAAGATGGCT 1541
Dh 1444 ctgagaggaacaacaataagaccataaagggaaggaattcatgtggaataataagaatgct 1503
QY 1542 GACTTTGCTCTTTCTTGACTCTTGTGTTTCAAGTTCAATTCAGTGTGACTGATGACAG 1601
Dh 1504 gacttgcctctctcttgactctgttccagtttcaattcaatcagtgctgtactgtatgacag 1563
QY 1602 ACACTTCTAATGAAGTCAAAATTTGATACATATGTGAATATGACACTGATTTTCTTGA 1661
Dh 1564 acaactttaaataagtgaaatltgatacatgtgaaatagaccaglttcttgcga 1623
QY 1662 GATCAAAATTCACAGCTGCTTCTGTATACATGTGGAGGTACACTCTTATAAAGTTCAA 1721
Dh 1624 gatcaaatltcaagctgctctctctgtatcatcgttgaggttaaacctctctatgaagaatc 1683
QY 1722 AAGTCAAGCTCTTCCTTTCTTTCTTAAGTCAAGTGAATGGGCTGCTCAAGTTGA 1781
Dh 1684 aagctcagctctctctcttcttcttaactccagtaagtaatgggtctcgtccaaagtga 1743
QY 1782 AAGAGTCTAATTTGCACTGATAGCTGCGCGTGTGAAATGGACATCAATTAATG 1841
Dh 1744 aagagctctatctgcaatgtagcctcgctcgttgaaatggaccatcttaactgg 1803
QY 1842 CTTCAGGCTCTCCACACTTCTTCAAGCCACCTCTTCTTCAATGTGAGTGCATTCACACC 1901
Dh 1804 ctcca -gcctcccaactctctcagccaactctcttcaagtgtggtccttccaaacc 1862
QY 1902 TAGCATCTCATGATGATGCAAGCAAGCAAAAGAGAGAGAGAGAAATAGCCTGGCGGTTTT 1961
Dh 1863 tagcatctcatgagtgccaagcaaaaggagagaagagaatagcctgcgctgttctc 1922
QY 1962 AGTTTGGGGGTTTTGCTGTTTCCCTTTATAGAGACCCATTCCCTATTTCTTATAGTCAATGT 2021
Dh 1923 agtttgggggttcttgcgttctcttataagagcccatctctatcttctatgaatcaltg 1982
QY 2022 TTCTTTATACAGATATTATTAGTAAGAAACATCACTGAATAGTGTGAGTGCAGAGTGA 2081
Dh 1983 ttctttatcatagatatataatagtaagaanaacatcactgtaaatgctagctgcgaagtga 2042
QY 2082 TCTCTTTGATGCAATATGAGAGTTAAACAGGTGAGAAATTCCTGTGATTCACAATGA 2141
Dh 2043 tctcttgaatcatatagatagagaaglttaaacaggtgagaatctccttgaatctcaaatga 2102
QY 2142 AATGCTCTCCCTTCCCTGCGCCCGCCAGAACTTTATATCC -ACTTACCTAATGATTCAACATAT 2200
Dh 2103 aatgctctctcttccctcggcccaagccttcttataccgactacatgattctcaatcat 2162
QY 2201 CTTTAAATTCATCTCAGGCTCCCTCAACCCAC 2235
Dh 2163 cttaaatctcatctcagcctctccctcaaccacac 2197

RESULT 17
US-09-836-544A-30
; Sequence 30, Application US/09836544A

GENERAL INFORMATION:
APPLICANT: The General Hospital Corporation
TITLE OF INVENTION: Rapid Immunoselection Cloning Method
FILE REFERENCE: 11-88L
CURRENT APPLICATION NUMBER: US/09/836,544A
CURRENT FILING DATE: 2001-04-17
PRIOR APPLICATION NUMBER: US 07/983,647
PRIOR FILING DATE: 1992-12-01
PRIOR APPLICATION NUMBER: US 07/553,759
PRIOR FILING DATE: 1990-07-13
PRIOR APPLICATION NUMBER: US 07/498,809
PRIOR FILING DATE: 1990-03-23
PRIOR APPLICATION NUMBER: US 07/379,076
PRIOR FILING DATE: 1989-07-13
PRIOR APPLICATION NUMBER: US 07/160,416
PRIOR FILING DATE: 1988-02-25
NUMBER OF SEQ ID NOS: 37
SOFTWARE: Patentln Ver. 2.0
SEQ ID NO 30
LENGTH: 2350
TYPE: DNA
ORGANISM: Homo sapiens
US-09-836-544A-30

Query Match 94.2%; Score 2127.8; DB 32; Length 2350;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 2179; Conservative 0; Mismatches 12; Indels 4; Gaps 4;

44 CCCTTGGCAAGGACCTGAGACCCCTTGCTAAGTCGAAGGCTCAATGGCTGCAGAG 103
104 AACTAGAGAGAGACCAAGCAAGCCATGATATTCATGGAATGTCAGAGACCCAGAG 163
64 aactagagagagacccaagaaagccaatgattccatgaaatgtaagacccagag 123
164 GCACCTTATGGAACATCTTCAAGTTGGGGGTGAGACATGCTCTGTTGATTTCCCTGGC 223
124 ggaactatggaacatcttcaagttgagggtgagaaatgctctgtgattccctgac 183
224 ACATCATGGAACCTACTGCTGAGATTACCATTTCTGAAAAACCATTAATGGAAG 283
184 acatcatggaacacctgctgagacttaccatattctgaaaaacccaatgaaactggcaag 243
284 GGCTAGGAAGATTCTGCCGAGACATTTACAGATTTAGTTGCCATACAAACAGGCGGA 343
244 ggctagaagattctgcccagagacaattacacagattagttgccatacaaaagcgga 303
344 AATTAGATATCTGGAGAGACTTCGCCCTTCAGTGTCTTACTACTGGATGGAATCCG 403
304 aattagatattcggagaaagacttcgcttccatgcttcttactactatgatagaatcgg 363
404 GAAGATAGGAGCAATATGAGACGTGGGTGGGAACCAAAATTCACATGAAGAAGACGA 463
364 gaagatagaggaataataygaagtgggtgggaacaaaatctccacacgaagaagcgga 423
464 GAACCTGGGAGATGGTGAAGCCCAACACAGAAGAAGAGAGAGAGAGAGAGAGAGATCTA 523
424 gaactgggagagtgtgagcccaacaagaagaagaagagagactcggtgagatcta 483
524 TATCAAGAGAAACAAAGATGCGAGCAAAATGGAACGATGACGCTCCCAAACTAAAGC 583
484 tatcaagagaaacaaagatgcaagcaaaatgaaacgattacgcttgcacaaactaaagc 543
584 AGCCCTCTGTTACAGAGCTTCTGGCAGCCCGGTGATGAGAGTGGCAATGGAATGCT 643
544 agccctctgtttacagagcttcttgccagcctgtgcaatgcaatggtgcaatgaaatgtgtc 603
644 AGAAATCATCAATAATCAACACCTGCAACTGTGATGTGGGTACTATGGGCCCACTGTCA 703
604 agaatacatcaataatcaacactgcaactgtgattgtgggtactatggtgcccagtgcca 663

704 GCTTGTGATTCAGTGTGAGACCTTTGGAGGCCCCAGAGCTGGGTACCATGACTGTACTCA 763
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764 CCCCTTGGAAACTTCAGCTTCAGCTCACAGTGTGCTTTCAGCTGCTGTGAAGAAACA 823
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844 aacctgtcaagtattcagtgagccttaccagcacagattggaggtggtatcagaactg 903
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1024 tagtcaaatatgtcaaaaaatttggacaaaagtctccatgattaaagggttgattataa 1083
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1423 CTCATTTATCCCTCAACCCCGACCCACAGGTGTTTATACAGCTTCAGCTTTTGTCTTT 1482
1384 ctcatllatccctcaaccccgaccagctgattalacagctcagacttcttctt 1443
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1542 GACTTGGCTCTTCTTGTGACTCTTGTGTTTCAATTCAGTCTGCTTACTGATGACAG 1601
1504 gacttggctcttcttcttgaactctgttttcagttccaattcagctgctgacttgaagcag 1563
1602 ACATCTTCAATTAAGTGAATTTGATACATATGTAATGTAATGAGTCAAGTCTTCTGCA 1661
1564 acaacttcaaatgaaatgaaatctgatacatatgataatgaaatgaaatgaaatgaaatgaa 1623
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1624 gatcaaatttacagtgcttcttctgatacatatgaaatgaaatgaaatgaaatgaaatgaa 1683
1722 AAGTCTACGCTCTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1781
1684 aagctacgctctctctcttcttcttcttcttcttcttcttcttcttcttcttcttcttct 1743
1782 AAGAGTCTTATTTGACACTGTAAGCTGCGCGTGTGTGAATTTGAAACCATCTAATTTAACTGG 1841

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Qy 1842 CTCACGACCTCCACACCTTCTTACGACCACTCTCTTTTACATGGCTGACTTCACAC 1901
Db 1804 cttaa-gccccacacctcttcagccacctctcttcttagtgcgtgacttcacacac 1862
Qy 1902 TACATCTCATGTGAGTGCACGACAAAGAGAGAGAAATGACCTGGCGGCTTTT 1961
Db 1863 tagcatctcatgagtcgcaagcaaaagagagagaaataagccgcgctgcttctc 1922
Qy 1962 AGTTGGGGGTTTGGCTGTTTCCCTTTTATAGACCCATTCCCTATTTCTTATGACAAATG 2021
Db 1923 agcttgagggttctgcgtcttccctttagtagaccatctcctattctttagcaatg 1982
Qy 2022 TTCTTTATACGATATATTATTAGTAAGAAAACATCACTGAATGCTGACGCAAGTACA 2081
Db 1983 tctctttatacagatatattagtaaagaaaacatcacatgaaatgtagctgcgaagtaca 2042
Qy 2082 TCTCTTGATGTGATATGAGAGAGTTAAACAGGTGAGAGAAATCTTGATTCACATGA 2141
Db 2043 tctctttagatgcatatagagaaagtaaaacagtgagaaatctccttagtacaatga 2102
Qy 2142 AATGCTCTCCTTCCCTGCCCCCAGACCTTTATCC-ACCTACCTGATTTACATATT 2200
Db 2103 aatgctcctcttccctcgccccagacctttagcgaacttaactagatctacatatt 2162
Qy 2201 CTTTAAATTCATCTCAGGCTCCCTCAACCCAC 2235
Db 2163 cttaaatctcatctcagcgctccctcaaccacac 2197

RESULT 18

US-09-760-475-377
; Sequence 377, Application US/09760475
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT249
; CURRENT APPLICATION NUMBER: US/09/760,475
; PRIOR FILING DATE: 2001-01-16
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 4122
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 377
; LENGTH: 2339
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (2286)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (2320)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-760-475-377

Query Match 92.7%; Score 2093.2; DB 30; Length 2339;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 2128; Conservative 3; Mismatches 6; Indels 3; Gaps 3;

Qy 98 CAGAAAGACTTAGAAGAGGACCAAGCAAGCATGATTTTCATGCAATGTCAGAGCAC 157
Db 1 cagaagaaactagaagaagaccaaagcaatgatatctccatggaatgtagaagcac 60
Qy 158 CCGAGAGACTTATGGAACCTTTCAAGTTGTGGGGGTGACAATGCTCTGTGTATTT 217
Db 61 ccgaagagacttatgaaactcttcaagtgtaggggtgacaatgctcgtgtgattc 120
Qy 218 CCGTGCACATCATGAACCTACTGCTGGACTTACCATATTCTGAAAAACCATGAAGTG 277
Db 121 ccctgcacatcatgtaacgcagctcgtgacttaccattatctcgaaaaaccatgaactg 180

Qy 278 GCAAAAGGCTTAGAGATTTCGCCGAGCAATTACACAGATTTAGTGGCATACAAAACA 337
Db 181 gcaaaagggctagaagatctgcgcgaacattacaagattagctgcctaaacaaaca 240
Qy 338 GCGGAAATTTAGATATCTGGAAGACCTTCGCCCTTGAGTCGTTCTACTAGTGAATAG 397
Db 241 ggcggaatttagatctatgagaagactcgccttcaagtcgtcttaccacttgaaag 300
Qy 398 AATCCGAGATAGGAGCAATATGACGCTGGGTGGGAACCAACAATCTCTCACTGANA 457
Db 301 aatccgaagaataagaaatagacgtggtgtagaaccaacaacactctcctcctgaaaga 360
Qy 458 AGCAGACATCGGGGAGATGCTGAGCCCAACAACAAGAAACAAGAGAGCTCGGGA 517
Db 361 agcagaagaactgggagatggtagcccaacaagaagaagaagagactgcgtgga 420
Qy 518 GATCTATATCAGAGAAACAAGATGCAGCAATGGAAGACGATGACCCCTGCCAACAAT 577
Db 421 gatctatataaaggaagaacaaagatgcaggaacaaatgaaatgtagcgcctgcacaaatc 480
Qy 578 AAAGGACCCCTCTGTTACACAGCTTGTGCCAGCCCTGTCATGCAGTGGCCATGAGA 637
Db 481 aaaggcagccctctgttacacagcttcttcagccctggtcagtcagtcgacagtcgaga 540
Qy 638 ATGTGTAAGAAATCATCAATATACACCTGCAACTGTGATGTGGGTAATGAGGCCCA 697
Db 541 atgtgtaagaatcatcacaataattacacctgaactgtgaatgtgggtactataggccca 600
Qy 698 GTGTACAGCTTGTGATTCAGTGTGAGCTTTGAGAGCCCAAGAGCTGGTACATGAGACTG 757
Db 601 gtgtcacgctgtgatactagtgtagccttggagggcccaagagctggtatcacagactg 660
Qy 758 TACTACCCCTTTGGAAATTCACGTTACGTTACAGTGTGCTTACGTTCTGTAAG 817
Db 661 tactacaccttggaaactcagctcagctcagctcagctcagctcagctcagctcagctcag 720
Qy 818 AACAACTTAACTGAGATTAAGAAAGAAACACCTGTGACACATTTGGAATGCTATCTCC 877
Db 721 aacaaacttaactgagatgtaagaaacacctgtgagccatttggaaactggtatctcc 780
Qy 878 AGAACAACCTGTCAATGATTCAGTGTGAGCCCTTACAGACACCAATTTGGGATCAT 937
Db 781 agaacaacctgtcaatgtagttagctgtagcctctacagcccaatcttggagatcat 840
Qy 938 GAACGTAGGCAATCCCTGAGCCAGCTTACGTTACCTGTGATGATCATCTGCTC 997
Db 841 gaactgagccatccctgagccagcttcaagcttcaactcgcagtcactcctcatctgctc 900
Qy 998 AGAAGAACTGATTAATTTGGGAAGAAAGAAACATTTTGATGATCATCTGATCTGCTC 1057
Db 901 agaaggaactgagttlaattggaagaagaaacatttggaaactcctggaactcgtgctc 960
Qy 1058 AAATCCATGTCATATGATGATAAATAATGACAAAGATTTCTCAATGATTAAGAGGCTGA 1117
Db 961 aaatcccatgacccaatagtcataaaatggaacaaagtcttctcaatgtagtaagaggtgga 1020
Qy 1118 TTATACCCCTCTTCAATTCAGTGCAGTGCATGATGATCTCTGAGTTGGCAT 1177
Db 1021 ttataacccctctctcatccagtgagtcagtcagtcagtcagtcagtcagtcagtcagtc 1080
Qy 1178 TATCATTTGGCTGGCAAGGATTTAAAAAAGCAAAATCCAAAGAGATGATGATGA 1237
Db 1081 tatcatcttgctggaagagatataaaaggaagaaatccaaagagagatgtaga 1140
Qy 1238 CCATATTAAATGCGCCCTTGATGGAAGAAATCTTGGAATACAAAATCATGAGATGC 1297
Db 1141 ccatattaaatgccccttgtagaagaaatctcttgaatattcaaaaaatcaatgagatcc 1200
Qy 1298 TTTAAATCTTCCATGAAAGCTTTTGTGTGTGGACCTCTACGTCAAAATGATGATGT 1357
Db 1201 tttaaacctctcatgaaacgtttctgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 1260

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OY 1358 G-TTCCTCAGTCAGTCGGAAGATTTCACCCGACCAACAGTTCCTTCAGCTTCACAT 1416
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Db 1261 gtctcttcagtcagtcagtcagtcagtcagtcagtcagtcagtcagtcagtcagtcatt 1320
OY 1417 TCGCCCTCATTTATCCCTCAACCCGACGCGGAGTGTATATACAGCTCAGCTTTTGG 1476
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Db 1321 tgcgccccatctatccctccacccccagccacagtglttatcaagctcagcttllg 1380
OY 1477 TCTTTCTGAGGAGAAACAATTAAGACAT -AAGGAGAAAGATTCAATGTCGATATTAAG 1535
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 1381 tcttcttcgaggaacacaaataagaacataaaggaagatcattcgtggaatataag 1440
OY 1536 ATGCGTCACTTTCCTCTTCTTCTGACCTCTGTTTTCAGTTTCAATTCAGTCTGACTTGA 1595
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 1441 atgacctgacttctcttcttcttcttcttcttcttcttcttcttcttcttcttcttctg 1500
OY 1596 TGCAGACACTTCTAATATGAGTCAATTTGATACATATGTCGATATGAGACATTTT 1655
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Db 1501 tgcagacaccttcctaaatgaagtgcaaatctgatacatatgtaataatgactcagttt 1560
OY 1656 CTTCAGATCAAAATTTCAAGTCTCTTCTGATATGTCGAGGTACACTCTTATAGAAG 1715
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 1561 ctgcagatcaaatctcagctgcttctgtaactgtagaggtacactctataagaag 1620
OY 1716 TTTCAAAAAGTCTACGCTCTCTCTTCTTCTTCTTCACTGAGTAAGTAAGGGTCTGCTCA 1775
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 1621 ttcacaaagctcagctccttcttcttcttcttcttcttcttcttcttcttcttcttctc 1680
OY 1776 AGTTGAAAGAGTCCTATTTGACATGAGCTGCGCTGCTGTAATGAGCAATCTCATTT 1835
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 1681 agttgaaagagctcattctgcaactgtagctcgctcgatgtaattggaacacattt 1740
OY 1836 AACTGGCTTCAGGCTCCGACCTCTTTCAGCAGCAGCTCTTCTTTCAGTTGCTGACTTC 1895
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 1741 aactgcttca-gcctccacacttctcagcactccttcttcttcttcttcttcttcttct 1799
OY 1896 CACACCTACATCTATGATGTCGCAAGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1955
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 1800 cacactacatcatcatgtagtgcacgaacaaagagagagagagagagagagagagagagag 1859
OY 1956 TTTTTCAGTTGGGGTCTGTTGCTTCTTCTTTCAGTACACCATCTCTTCTTCTTATAGT 2015
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 1860 ttttttagttgggggttttctgttcttcttcttcttcttcttcttcttcttcttcttcttct 1919
OY 2016 CAATGTTCTTTATCAGAGATATTTATAGTAAGAAAACATCACTGAATGCTAGCTGCAA 2075
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 1920 caatgttcttcttcttcttcttcttcttcttcttcttcttcttcttcttcttcttctt 1979
OY 2076 GTGACATCTCTTGTATGTCATATGAGAGAGTTAAAACAGGTGAGAGAAATTCCTGATTC 2135
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 1980 gtgacatctcttcttcttcttcttcttcttcttcttcttcttcttcttcttcttcttct 2039
OY 2136 CAATGAATGCTCTCTCTTCCCTGCCCCAGAGACTTTTATCAGTCACTTCACTGATTTAC 2195
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 2040 caatgaatgctctcttcttcttcttcttcttcttcttcttcttcttcttcttcttcttct 2099
OY 2196 ATATCTTTAAATTTCAATCTCAGGCTCCCTCAACCCGAC 2235
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 2100 atatcttcttcttcttcttcttcttcttcttcttcttcttcttcttcttcttcttctt 2139

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RESULT 19
PCT-US92-03970-1

Sequence 1, Application PC/TUS9203970
GENERAL INFORMATION:
APPLICANT: Dana-Farber Cancer Institute, Inc.
TITLE OF INVENTION: LEUKOCYTE-ASSOCIATED CELL SURFACE
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Weingarten, Schurjin, Gagnebin & Hayes
STREET: Ten Post Office Square
CITY: Boston

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STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/03970
FILING DATE: 19920513
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Heine, Holliday C.
REGISTRATION NUMBER: 34,346
REFERENCE/DOCKET NUMBER: DPCI-152B99
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-2290
TELEFAX: (617) 451-0313
TELEX: 940675
INFORMATION FOR SEQ. ID NO. 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2330 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANT-SENSE: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 53..1210
PUBLICATION INFORMATION:
DOCUMENT NUMBER: US 07/700,773
FILING DATE: 15-MAY-1991
PCT-US92-03970-1

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Query Match 92.4%; Score 2087.6; DB 1; Length 2330;
Best Local Similarity 98.5%; Pred. No. 0;
Matches 2161; Conservative 0; Mismatches 24; Indels 9; Gaps 5;
OY 44 CCTTTGGCAAGAGACCTGAGACCTTGTGCTAAGTCAAGAGGCTCAATGGGCTGCAGAG 103
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Db 7 CCTTGGGCAAGAGACCTGAGACCTTGTGCTAAGTCAAGAGGCTCAATGGGCTGCAGAG 66
OY 104 AACTAGAGAAGGACCAACCAAGCCATGATATTTTCATGGAATGTACAGACCCAGAG 163
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 67 AACTAGAGAAGGACCAACCAAGCCATGATATTTTCATGGAATGTACAGACCCAGAG 126
OY 164 GGACTTATGGAACATCTTCAAGTTGTGGGGTGGGACAATGCTGTTGTGATTTCCGGC 223
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 127 GGACTTATGGAACATCTTCAAGTTGTGGGGTGGGACAATGCTGTTGTGATTTCCGGC 186
OY 224 ACATCANTGAACCTAGTCTGCTGACTTACATTTATTCGAAAACCCATGAACTGGCAAG 283
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 187 ACATCANTGAACCTAGTCTGCTGACTTACATTTATTCGAAAACCCATGAACTGGCAAG 246
OY 284 GGCTAGAGAAGATTCTGCGGAGACATTTACACAGATTTTGTGGCCATACAAAACAGGCGGA 343
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 247 GGCTAGAGAAGATTCTGCGGAGACATTTACACAGATTTTGTGGCCATACAAAACAGGCGGA 306
OY 344 AATTGAGTATCTGGAAGAAGACTGCGCTTCAGTCTGATCTTACTAGTATGAGAAATCCG 403
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 307 AATTGAGTATCTGGAAGAAGACTGCGCTTCAGTCTGATCTTACTAGTATGAGAAATCCG 366
OY 404 GAAATAGGAGGAATATGAGCGTGGTGGGAACCAACAAATCTCTCACTGAAGAAGCAGA 463
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 367 GAAATAGGAGGAATATGAGCGTGGTGGGAACCAACAAATCTCTCACTGAAGAAGCAGA 426
OY 464 GAACTGGGAGATGTGAGCCCAACCAACGAAGAACAGAGAGAGAGAGAGAGATCTA 523
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 427 GAACTGGGAGATGTGAGCCCAACCAACGAAGAACAGAGAGAGAGAGATCTA 486

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QY 524 TATCAAGAGAAACAAGATGAGCAATATGAGATGAGCCCTGCCCAAACTAAAGCC 583
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Db 487 TATCAAGAGAAACAAGATGAGCAATATGAGATGAGCCCTGCCCAAACTAAAGCC 546
QY 584 AGCCCTGTTTACACAGCTTCTTCCAGCCCTGGTCAATGAGTGGCCATGAGAGATGTGT 643
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Db 547 AGCCCTGTTTACACAGCTTCTTCCAGCCCTGGTCAATGAGTGGCCATGAGAGATGTGT 606
QY 644 AGAATATCATATATATACACACCTGCACTGATGTGGGGTACTATGAGGCCCACTGTCA 703
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Db 607 AGAATATCATATATATATACACCTGCACTGATGTGGGGTACTATGAGGCCCACTGTCA 666
QY 704 GCTGTGATTCAGTGTGAGCCCTTGGAGGCCCAAGAGTGGGTACCATGAGCTACTACCA 763
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Db 667 GTTGTGATTCAGTGTGAGCCCTTGGAGGCCCAAGAGTGGGTACCATGAGCTACTACCA 726
QY 764 CCCCTTTGAAACCTTCAGCTTCAGCTCAGTGTGCTTCACTGCTCTGAGAGAACAA 823
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Db 727 CCCCTTTGAAACCTTCAGCTTCAGCTCAGTGTGCTTCACTGCTCTGAGAGAACAA 786
QY 824 CTTAATCGGATTTGAGAAACACCTGTGACCATTTTGGAAATGCTGATCTCCAGAAC 883
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Db 787 CTTAATCGGATTTGAGAAACACCTGTGACCATTTTGGAAATGCTGATCTCCAGAAC 846
QY 884 AACCTGTCAAGTATGATGATGAGCCCTTATGAGCAACCATTTTGGGATCATGAGCTG 943
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Db 847 AACCTGTCAAGTATGATGATGAGCCCTTATGAGCAACCATTTTGGGATCATGAGCTG 906
QY 944 TAGCCATCCCTGAGCCAGCTTCAGCTTCAGCTTCAGCTTCAGCTTCAGCTTCAGAG 1003
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Db 907 TAGCCATCCCTGAGCCAGCTTCAGCTTCAGCTTCAGCTTCAGCTTCAGCTTCAGAG 966
QY 1004 AACTGACTTAATTTGGGAGAAAGAAACCATTTTGAATCATCTGGAATCTGCTCAAAATCC 1063
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Db 967 AACTGACTTAATTTGGGAGAAAGAAACCATTTTGAATCATCTGGAATCTGCTCAAAATCC 1026
QY 1064 TAGTCCATATGTCAAAATTTGACAAAGTTTCTCAATGATTTAAGAGGGGTGATTTAA 1123
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Db 1027 TAGTCCATATGTCAAAATTTGACAAAGTTTCTCAATGATTTAAGAGGGGTGATTTAA 1086
QY 1124 CCCCCCTTCATTCAGATGAGCATGATGTTCTGATCTGCTGCTGCTGCTGCTGCTGCT 1183
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Db 1087 CCCCCCTTCATTCAGATGAGCATGATGTTCTGATCTGCTGCTGCTGCTGCTGCTGCT 1146
QY 1184 TTGGCTGGCAAGAGATTTAAAAAGCAAGAAATCCAGAGAGTATGATGACCCATA 1243
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Db 1147 TTGGCTGGCAAGAGATTTAAAAAGCAAGAAATCCAGAGAGTATGATGACCCATA 1206
QY 1244 TTAAATGGCCCTTGTGAAAGAAATTTCTGGAATGATTAATCAATGATGATGCTTTAA 1303
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Db 1207 TTAAATGGCCCTTGTGAAAGAAATTTCTGGAATGATTAATCAATGATGATGCTTTAA 1266
QY 1304 TCCCTTCATGAAAGCTTTTGTGTGTGTGAGCACTCTGATGCTCAAAATGAAATGTG- TTCC 1362
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Db 1267 TCCCTTCATGAAAGCTTTTGTGTGTGTGAGCACTCTGATGCTCAAAATGAAATGTGTTCC 1326
QY 1363 TTCAATGATGAGGAGATTTTCAACCGACCAAGTTCCTTCACTTCATTTCCGCC 1422
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Db 1327 TTCAATGATGAGGAGATTTTCAACCGACCAAGTTCCTTCACTTCATTTCCGCC 1386
QY 1423 CTCATTTATCCCTCAACCCCAAGCCCAAGGTGTTTATACAGCTGATGCTTTTCTTTT 1482
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Db 1387 CTCATTTATCCCTCAACCCCAAGCCCAAGGTGTTTATACAGCTGATGCTTTTCTTTT 1446
QY 1483 CTGAGAGAAACAATTAAGACCAT- AAGGAGAAAGATTCATGATGATTAATGATGCT 1541
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Db 1447 CTGAGAGAAACAATTAAGACCATTAAGAGGAAAGATTCATGATGATTAATGATGCT 1506
QY 1542 GACTTTGCTCTTTCTGATCTCTGTTTCACTTCATTCAGTCTGCTGATGATGACAG 1601
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Db 1507 GACTTTGCTCTTTCTGATCTCTGTTTCACTTCATTCAGTCTGCTGATGATGACAG 1566

QY 1602 ACACCTTCAATGAAGTCAAAATTTGATACATATGTAATGAGACGATGTTTCTTGCA 1661
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Db 1567 ACACCTTCAATGAAGTCAAAATTTGATACATATGTAATGAGACGATGTTTCTTGCA 1626
QY 1662 GATCAAAATTTGACGCTGCTTCTGATATCTGTGAGATGACCTCTTATAGAAGTTCAA 1721
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Db 1627 GATCAAAATTTGACGCTGCTTCTGATATCTGTGAGATGACCTCTTATAGAAGTTCAA 1680
QY 1722 AAGTCTACGCTCTCTTCTTCTTCTTCACTCCAGTGAAGTAATGGGGTCTGCTCAAGTTGA 1781
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Db 1681 AAGTCTACGCTCTCTTCTTCTTCTTCACTCCAGTGAAGTAATGGGGTCTGCTCAAGTTGA 1740
QY 1782 AAGATCCCTATTTGACATGATGAGCCCTGCGCTGCTGTAATTTGAGACATCTTAACTGG 1841
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Db 1741 AAGATCCCTATTTGACATGATGAGCCCTGCGCTGCTGTAATTTGAGACATCTTAACTGG 1800
QY 1842 CTTGAGGCCCTCCACCTTCTTCAAGCCACCTCTCTTTTCAAGTTGGCTGACCTCCACACC 1901
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Db 1801 CTTCA- GCGTCCCACTCTTCTTCAAGCCACCTCTCTTTTCAAGTTGGCTGACCTCCACACC 1859
QY 1902 TAGCATCTCATGATGCGCAACCAAGAGAGAGAGAGAAATAGCTGCGCGTTTCTT 1961
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Db 1860 TAGCATCTCATGATGCGCAACCAAGAGAGAGAGAGAGAAATAGCTGCGCGTTTCTT 1919
QY 1962 AGTTGGGGGTTTGTGCTGCTTCTTCTTATGAGACCATCTCTATTTCTTATGATCAATGT 2021
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Db 1920 AGTTGGGGGTTTGTGCTGCTTCTTCTTATGAGACCATCTCTATTTCTTATGATCAATGT 1979
QY 2022 TTCTTTTATCAGATATTTATGTAAGAAACATCACTGAAATGCTAGCTGCAAGTGCA 2081
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Db 1980 TTCTTTTATCAGATATTTATGTAAGAAACATCACTGAAATGCTAGCTGCAAGTGCA 2039
QY 2082 TCTCTTGTATGCTATGTAAGAGAGTAAACAGAGTGAAGAAATTCCTTGATTCACATGA 2141
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Db 2040 TCTCTTGTATGCTATGTAAGAGAGTAAACAGAGTGAAGAAATTCCTTGATTCACATGA 2099
QY 2142 AATGCTGCTCTTCCCTGCGCCCAAGAACTTTATTCACATGATTTCTACATATTC 2201
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Db 2100 AATGCTGCTCTTCCCTGCGCCCAAGAACTTTATTCACATGATTTCTACATATTC 2159
QY 2202 TTAAATTTCACTCAGGCTCTCCCTCAACCCAC 2235
|||||
Db 2160 TTAAATTTCACTCAGGCTCTCCCTCAACCCAC 2193

RESULT 20
PCT-US94-00909-1
: Sequence 1, Application PC/TUS9400909
: GENERAL INFORMATION:
: APPLICANT:
: TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS BLOCKING
: TITLE OF INVENTION: AGENTS FOR COMPONENT SELECTIN FUNCTION
: NUMBER OF SEQUENCES: 11
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: OPERATING SYSTEM: IBM PC compatible
: SOFTWARE: PC-DOS/MS-DOS
: CURRENT APPLICATION DATA:
: PATENTIN Release #1.0, Version #1.25 (EPO)
: APPLICATION NUMBER: PCT/US94/00909
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/008,459
: FILING DATE: 25-JAN-1993
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/983,606
: FILING DATE: 30-NOV-1992
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/962,483
: FILING DATE: 02-APR-1992
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/770,608
: FILING DATE: 03-OCT-1991
: PRIOR APPLICATION DATA:

QY 1782 AAGAGTCCTATTGTCAGTGTAGCCTGCGCCGCTGTGATTTGACATTCATTTAACTG 1841
 DB 1741 AAGAGTCCTATTGTCAGTGTAGCCTGCGCCGCTGTGATTTGACATTCATTTAACTG 1800
 QY 1842 CTTGAGGCTTCCGACCTTCTTTCAGCACCCTCTTTTTCAGTTGGCTGACCTTCACACC 1901
 DB 1801 CTTCA-GCCTGCCACCTTCTTTCAGCACCCTCTTTTTCAGTTGGCTGACCTTCACACC 1859
 QY 1902 TAGCATCTCATGATGCGCAAGCAAAAGAGAGAAAGAGAAATGCTGCGCGCTTTT 1961
 DB 1860 TAGCATCTCATGATGCGCAAGCAAAAGAGAGAAATGCTGCGCGCTTTT 1919
 QY 1962 AGTTGGGGGTTTGTCTTCTTCTTATGAGACCATTCCTATTCTTATAGCAATGT 2021
 DB 1920 AGTTGGGGGTTTGTCTTCTTCTTATGAGACCATTCCTATTCTTATAGCAATGT 1979
 QY 2022 TTTCTTTATCAGATATTATTATGAGAAACATCAGTAATCTAGCTGCAAGTGA 2081
 DB 1980 TTTCTTTATCAGATATTATTATGAGAAACATCAGTAATCTAGCTGCAAGTGA 2039
 QY 2082 TCTCTTTGATGTCTATATGAGAGAGTAAACAGGTGAGAAATCTTGTATTCACATGA 2141
 DB 2040 TCTCTTTGATGTCTATATGAGAGAGTAAACAGGTGAGAAATCTTGTATTCACATGA 2099
 QY 2142 AATGCTCTCCTTTCCCTGCGCCGAGAACTTTATCCACTAGTATCTACATATTC 2201
 DB 2100 AATGCTCTCCTTTCCCTGCGCCGAGAACTTTATCCACTAGTATCTACATATTC 2159
 QY 2202 TTTAAATTTTCATCTCAGGCGCTCCCTCAACCCAC 2235
 DB 2160 TTTAAATTTTCATCTCAGGCGCTCCCTCAACCCAC 2193

RESULT 21
 US-08-008-459-1
 ; Sequence 1, Application us/0808459
 ; GENERAL INFORMATION:
 ; APPLICANT: Tedder, Thomas F.
 ; TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS
 ; TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION
 ; NUMBER OF SEQUENCES: 11
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Weingarten, Schurjahn, Gagnebin & Hayes
 ; STREET: Ten Post Office Square
 ; CITY: Boston
 ; STATE: MA
 ; COUNTRY: USA
 ; ZIP: 02109
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/008.459
 ; FILING DATE: 25-JAN-1993
 ; CLASSIFICATION: 514
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/983,606
 ; FILING DATE: 30-NOV-1992
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/862,483
 ; FILING DATE: 02-APR-1992
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/770,608
 ; FILING DATE: 03-OCT-1991
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/737,092
 ; FILING DATE: 29-JUL-1991
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/730,503
 ; FILING DATE: 08-JUL-1991

; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/700,773
 ; FILING DATE: 15-MAY-1991
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/313,109
 ; FILING DATE: 21-FEB-1989
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Helne, Holliday C.
 ; REGISTRATION NUMBER: 34,346
 ; REFERENCE/DOCKET NUMBER: DECI-318XX
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (617) 542-2290
 ; TELEFAX: (617) 451-0313
 ; TELEX: 940675
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 2330 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; HYPOTHEICAL: NO
 ; ANTI-SENSE: NO
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: 53..1210
 ; US-08-008-459-1

Query Match 92.4%; Score 2087.6; DB 4; Length 2330;
 Best Local Similarity 98.5%; Pred. No. 0;
 Matches 2161; Conservative 0; Mismatches 24; Indels 9; Gaps 5;
 QY 44 CCGTTGGCAAGACCTGAGACCTTGTGCTAAGTCAAGAGCTCAATGAGCTGCAGAG 103
 DB 7 CCTTTGGGCAAGACCTGAGACCTTGTGCTAAGTCAAGAGCTCAATGAGCTGCAGAG 66
 QY 104 AACTAGAGAGAGACCAAGCAAGCCATGATATTTCCATGAGAAATGTCAGACACCCAGAG 163
 DB 67 AACTAGAGAGAGACCAAGCAAGCCATGATATTTCCATGAGAAATGTCAGACACCCAGAG 126
 QY 164 GGACTTATGAGAACTTCAAGTGTGTGGGGGTGAGCAATGCTGTGTGATTTCTGTGCG 223
 DB 127 GGACTTATGAGAACTTCAAGTGTGTGGGGGTGAGCAATGCTGTGTGATTTCTGTGCG 186
 QY 224 ACATCATGGAACCTAGCTGCTGAGCTTACCATTTATTTGAAAAACCATGAAGTGGCAAG 283
 DB 187 ACATCATGGAACCTAGCTGCTGAGCTTACCATTTATTTGAAAAACCATGAAGTGGCAAG 246
 QY 284 GCGTGAAGATTTGCGGAGACATTTACAGAGATTTAGTTCATACAAAACAGCGGGA 343
 DB 247 GCGTGAAGATTTGCGGAGACATTTACAGAGATTTAGTTCATACAAAACAGCGGGA 306
 QY 344 AATTGAGTATCTGGAGAACTGCGCCCTTCAGTCTTACTAGTGGATGAGAAATCG 403
 DB 307 AATTGAGTATCTGGAGAACTGCGCCCTTCAGTCTTACTAGTGGATGAGAAATCG 366
 QY 404 GAAGATAGAGAAATATGAGAGCTGTGGTGGGAACCAAAATCTCTCACTGAAGAAGAGA 463
 DB 367 GAAGATAGAGAAATATGAGAGCTGTGGTGGGAACCAAAATCTCTCACTGAAGAAGAGA 426
 QY 464 GAAGTGGGAGATGTGAGCCCAACACAGAGAAAGAGAGAGAGTGGTGGAGATCTA 523
 DB 427 GAAGTGGGAGATGTGAGCCCAACACAGAGAAAGAGAGAGAGTGGTGGAGATCTA 486
 QY 524 TATCAGAGAAACAAAGATGAGGCAATGAGAGATGAGAGCTGCGCCCAAGTAAGAGG 583
 DB 487 TATCAGAGAGAAACAAAGATGAGGCAATGAGAGATGAGAGCTGCGCCCAAGTAAGAGG 546
 QY 584 AGCCCTGTGTACACAGCTTCTTGCAGCCCTGTGTATGAGTGGCAATGAGATGTGT 643
 DB 547 AGCCCTGTGTACACAGCTTCTTGCAGCCCTGTGTATGAGTGGCAATGAGATGTGT 606

QY 644 AGAATCATCATATACACCTGCACACTGATGTGGGTACTATGAGGCCCAAGTGTCA 703
DB 607 AGAATCATCATATATATACCTGCACACTGATGTGGGTACTATGAGGCCCAAGTGTCA 666
QY 704 GCTTGATTCAGTGTGAGCCTTTGGAGGCCCAAGAGCTGGTACATGAGCTGTCTCA 763
DB 667 GTTGTGATTCATGTGAGCCTTTGGAGGCCCAAGAGCTGGTACATGAGCTGTCTCA 766
QY 764 CCGCTTGGAAACCTTCAGCTTCAGCTCAGAGTGTGCTTCAGCTGTGCTGAAAGAACAA 823
DB 727 CCGTTGGGAACTTCAGCTTCAGCTCAGAGTGTGCTTCAGCTGTGCTGAAAGAACAA 786
QY 824 CTTAATCGGATGGAAGAAACCCCTGTGAGCACTTTGGAATGTGTCTCCAGAAC 883
DB 787 CTTAATCGGATGGAAGAAACCCCTGTGAGCACTTTGGAATGTGTCTCCAGAAC 846
QY 884 AACCTTCAGTATGATGAGCTGTGAGCTGTATGAGCAAGATTTGGGGATCATGAACTG 943
DB 847 AACCTTCAGTATGATGAGCTGTGAGCTGTATGAGCAAGATTTGGGGATCATGAACTG 906
QY 944 TAGCCATCCCTGGCCAGCTTCAGCTTCAGCTTCAGCTTCAGCTTCAGCTTCAGAG 1003
DB 907 TAGCCATCCCTGGCCAGCTTCAGCTTCAGCTTCAGCTTCAGCTTCAGCTTCAGAG 966
QY 1004 AACTGATTAATTGGGAAGAAACCACTTTGTGATCATCTGGAATCTGCTCAATCC 1063
DB 967 AACTGATTAATTGGGAAGAAACCACTTTGTGATCATCTGGAATCTGCTCAATCC 1026
QY 1064 TAGTCAATATGTCAAATAATTGGACAAAGTTTCTCATGATTAAGAGAGGTGATATTA 1123
DB 1027 TAGTCAATATGTCAAATAATTGGACAAAGTTTCTCATGATTAAGAGAGGTGATATTA 1086
QY 1124 CCGCTTCCTTCATTCAGTGGCAGTCATGTTACTGCACTCTGCGTTGGCACTTTATCAT 1183
DB 1087 CCGCTTCCTTCATTCAGTGGCAGTCATGTTACTGCACTCTGCGTTGGCACTTTATCAT 1146
QY 1184 TTGGCTGGGCAAGAGATTTAAAAAGGCAAGAAATCCAGAGAAATATAAAGACCATA 1243
DB 1147 TTGGCTGGGCAAGAGATTTAAAAAGGCAAGAAATCCAGAGAAATATAAAGACCATA 1206
QY 1244 TTTAAATCGCCTTGGTGAAGAAATTTCTTGAATCTTAAATCATGATGCTTTTAA 1303
DB 1207 TTTAAATCGCCTTGGTGAAGAAATTTCTTGAATCTTAAATCATGATGCTTTTAA 1266
QY 1304 TCCCTTCATGAAGCTTTTGTGTGGGCACTCTTACGTCATCAAGATGAGTGTG-TTCC 1362
DB 1267 TCCCTTCATGAAGCTTTTGTGTGGGCACTCTTACGTCATCAAGATGAGTGTGTCC 1326
QY 1363 TTTCACTGATCTGGGAAAGATTTCTACCCGACCAAGTTCTTCAAGCTTTCCATTTGCC 1422
DB 1327 TTTCACTGATCTGGGAAAGATTTCTACCCGACCAAGTTCTTCAAGCTTTCCATTTGCC 1386
QY 1423 CTCAATTTATCCCTCAACCCCGACCCACAGGTGTTTATACAGCTGAGCTTTTGTCTTT 1482
DB 1387 CTCAATTTATCCCTCAACCCCGACCCACAGGTGTTTATACAGCTGAGCTTTTGTCTTT 1446
QY 1483 CTGAGAGAAACAAATTAAGACCAT-AAAGGAAAGGATTCATGTCGGAATAAAGATGCT 1541
DB 1447 CTGAGAGAAACAAATTAAGACCAT-AAAGGAAAGGATTCATGTCGGAATAAAGATGCT 1506
QY 1542 GACCTTGTCTTTCTTGTGACTCTGTTTTCAGTTTCAATTCAGTGTGTATGATGACAG 1601
DB 1507 GACCTTGTCTTTCTTGTGACTCTGTTTTCAGTTTCAATTCAGTGTGTATGATGACAG 1566
QY 1602 ACACCTTCAATGAGTCAAAATTTGATACATATGTGAATATGAGCTGAGTTTCTTCA 1661
DB 1567 ACACCTTCAATGAGTCAAAATTTGATACATATGTGAATATGAGCTGAGTTTCTTCA 1626
QY 1662 GATCAAAATTTGAGTGTCTTCTGTATCTGTGAGGTACACTTATAGAAAGTTTCAAA 1721
DB 1627 GATCAAAATTTGAGTGTCTTCTGTATCTGTGAGGTACACTTATAGAAAGTTTCAAA 1680
QY 1722 AAGTCTAGGCTCTCTTCTTTCTTACTCCAGTGAAGTAAATGAGGCTCTGCTCAAGTTGA 1781

DB 1681 AAGTCTAGGCTCTCTCTTCTTTCTTACTCCAGTGAAGTAAATGAGGCTCTGCTCAAGTTGA 1740
QY 1782 AAGTCTAGGCTCTCTCTTCTTTCTTACTCCAGTGAAGTAAATGAGGCTCTGCTCAAGTTGA 1841
DB 1741 AAGTCTAGGCTCTCTCTTCTTTCTTACTCCAGTGAAGTAAATGAGGCTCTGCTCAAGTTGA 1800
QY 1842 CTTCAGGCTCTCCACACTTCTTCAGCACCCTCTCTTTTCACTTGTGGTACTTCCACACC 1901
DB 1801 CTTCAGGCTCTCCACACTTCTTCAGCACCCTCTCTTTTCACTTGTGGTACTTCCACACC 1859
QY 1902 TAGCATCTCATAGTGTCCCAAGCAAAAGAGAGAGAAATATACCTGCGCGTTTCTT 1961
DB 1860 TAGCATCTCATAGTGTCCCAAGCAAAAGAGAGAAATATACCTGCGCGTTTCTT 1919
QY 1962 AGTTGGGGGGTTTGTGTCTTCTTTTATGAGACCATTCCTATTTCTTATAGTCAATGT 2021
DB 1920 AGTTGGGGGGTTTGTGTCTTCTTTTATGAGACCATTCCTATTTCTTATAGTCAATGT 1979
QY 2022 TTTCTTTATCAGATATTTATTTAGTAAAGAAACATCATGTAATGCTACCTGCAAGTGACA 2081
DB 1980 TTTCTTTATCAGATATTTATTTAGTAAAGAAACATCATGTAATGCTACCTGCAAGTGACA 2039
QY 2082 TCTCTTTGATGTCAATGGAAGAGTTAAACAGGTGAGAAATTCCTTGATTCACATGA 2141
DB 2040 TCTCTTTGATGTCAATGGAAGAGTTAAACAGGTGAGAAATTCCTTGATTCACATGA 2099
QY 2142 AATGCTCTCTCTTCCCTGCGCCCGCAGACTTTTATCCACTTACCTAGATTTCTATATTC 2201
DB 2100 AATGCTCTCTCTTCCCTGCGCCCGCAGACTTTTATCCACTTACCTAGATTTCTATATTC 2159
QY 2202 TTTAAATTCATCTCAGGCTCTCCCTCAACCCAC 2235
DB 2160 TTTAAATTCATCTCAGGCTCTCCCTCAACCCAC 2193

RESULT 22
US-08-340-539-1
: Sequence 1, Application US/08340539
: GENERAL INFORMATION:
: APPLICANT: Tedder, Thomas F.
: APPLICANT: Kansas, Geoffrey S.
: TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS
: NUMBER OF SEQUENCES: 11
: CORRESPONDENCE ADDRESSES:
: ADDRESS: Weingarten, Schurgin, Gagnebin & Hayes
: STREET: Ten Post Office Square
: CITY: Boston
: STATE: MA
: COUNTRY: USA
: ZIP: 02109
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/340,539
: FILING DATE: 16-NOV-1994
: CLASSIFICATION: 514
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/008,459
: FILING DATE: 25-JAN-1993
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/983,606
: FILING DATE: 30-NOV-1992
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/862,483
: FILING DATE: 02-APR-1992
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/770,608
: FILING DATE: 03-OCT-1991

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/737,092
FILING DATE: 29-JUL-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/730,503
FILING DATE: 08-JUL-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/700,773
FILING DATE: 15-MAY-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/313,109
FILING DATE: 21-FEB-1989
ATTORNEY/AGENT INFORMATION:
NAME: Heine, Holliday C.
REGISTRATION NUMBER: 34,346
REFERENCE/DOCKET NUMBER: DFCI-318XX
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-2290
TELEFAX: (617) 451-0313
TELEX: 940675
INFORMATION FOR SEQ. ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2330 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 53..1210
PUBLICATION INFORMATION:
DOCUMENT NUMBER: US 07/700,773
FILING DATE: 15-MAY-1991
US-08-340-539-1

Query Match 92.4%; Score 2087.6; DB 7; Length 2330;
Best Local Similarity 98.5%; Pred. No. 0;
Matches 2161; Conservative 0; Mismatches 24; Indels 9; Gaps 5;

QY 44 CCCCTTGGCAAGACCTGAGACCTTGGCTAAGTCAAGAGGCTCAATGGGCTGACAG 103
DB 7 CCTTGGGCAAGACCTGAGACCTTGGCTAAGTCAAGAGGCTCAATGGGCTGACAGAG 66
QY 104 AACTAGAGAAGGACCAAGCAAGGCAATATTTCCATGGAATGTGAGACCCAGAG 163
DB 67 AACTAGAGAAGGACCAAGCAAGGCAATATTTCCATGGAATGTGAGACCCAGAG 126
QY 164 GGAATTGGAACATCTTCAAGTTGTGGGGGTGACAAATGCTGTGTGATTTCTGGC 223
DB 127 GGAATTGGAACATCTTCAAGTTGTGGGGGTGACAAATGCTGTGTGATTTCTGGC 186
QY 224 ACATCAGGAACCTACGCTGAGTACTTACATTTATTTGAAAAAACCCTGAACCTGGCAAG 283
DB 187 ACATCAGGAACCTACGCTGAGTACTTACATTTATTTGAAAAAACCCTGAACCTGGCAAG 246
QY 284 GGGTAGAGATTTCTGCGGAGACATTTACAGATTTAGTTGCCATACAAAAACAAGCGGA 343
DB 247 GGGTAGAGATTTCTGCGGAGACATTTACAGATTTAGTTGCCATACAAAAACAAGCGGA 306
QY 344 AATTGAGTATCTGAGAAAGACTTGCCTTCAGTCTTCTTACTAGTGGATAGCAATCG 403
DB 307 AATTGAGTATCTGAGAAAGACTTGCCTTCAGTCTTCTTACTAGTGGATAGCAATCG 366
QY 404 GAAGATAGGGAATATGAGCGTGGGGGGAACCAACAATCTTCACTGGAAGAGAGA 463
DB 367 GAAGATAGGGAATATGAGCGTGGGGGGAACCAACAATCTTCACTGGAAGAGAGA 426
QY 464 GAATGGGAGATGTGAGCCCAACAACAAGAAAGAGAGAGCTGCTGGAGATCTA 523
DB 427 GAATGGGAGATGTGAGCCCAACAACAAGAAAGAGAGAGCTGCTGGAGATCTA 486

QY 524 TATCAAGGAACAAGATGACGGCAATGGAACGATGACGCTTGCCACAACCTAAAGGC 583
DB 487 TATCAAGGAACAAGATGACGGCAATGGAACGATGACGCTTGCCACAACCTAAAGGC 546
QY 584 AGCCCTGTGTACACAGCTTCTTCCAGCCCTGTGTCATGCAAGTGGCCATGAGAATGTGT 643
DB 547 AGCCCTGTGTACACAGCTTCTTCCAGCCCTGTGTCATGCAAGTGGCCATGAGAATGTGT 606
QY 644 AGAATCATCAATATACACACCTGCAACCTGTGATGTGGGTACTATGTGGCCCACTGTCA 703
DB 607 AGAATCATCAATATATATACACCTGCAACCTGTGATGTGGGTACTATGTGGCCCACTGTCA 666
QY 704 GCTGTGATTCAGTGTGAGCCTTGGAGGCCCAAGACAGCTGGTACCAATGACCTACTACT 763
DB 667 GTTGTGATTCAGTGTGAGCCTTGGAGGCCCAAGACAGCTGGTACCAATGACCTACTACTCA 726
QY 764 CCCCTTGGAAACCTTACAGCTTACAGTGTGAGCTTACAGTGTGAGCTTACAGTGTGAG 823
DB 727 CCCCTTGGAAACCTTACAGCTTACAGTGTGAGCTTACAGTGTGAGCTTACAGTGTGAG 786
QY 824 CTTAAGTGGGATGGAAGAAACACCTGTGACCAATTTGGAACCTGTCTATCTCAGAAC 883
DB 787 CTTAAGTGGGATGGAAGAAACACCTGTGACCAATTTGGAACCTGTCTATCTCAGAAC 846
QY 884 AACCTGTCAAGTATTCAGTGTGAGCCTTATCAGCAACAGATTTGGGGATCATGACACTG 943
DB 847 AACCTGTCAAGTATTCAGTGTGAGCCTTATCAGCAACAGATTTGGGGATCATGACACTG 906
QY 944 TAGCCATCCCTGAGCCAGCTTACCTGTGATGATGATGATGATGATGATGATGATGAT 1003
DB 907 TAGCCATCCCTGAGCCAGCTTACCTGTGATGATGATGATGATGATGATGATGATGAT 966
QY 1004 AACTGAGTTAATTTGGGAAGAAAGCAATTTGGAATCATCTGGAATCTGCTCAATTC 1063
DB 967 AACTGAGTTAATTTGGGAAGAAAGCAATTTGGAATCATCTGGAATCTGCTCAATTC 1026
QY 1064 TAGTCCAAATATGCAAAAATGGAACAAAGTTCTCAATGATTTAAGAGGCTGATTTAA 1123
DB 1027 TAGTCCAAATATGCAAAAATGGAACAAAGTTCTCAATGATTTAAGAGGCTGATTTAA 1086
QY 1124 CCCCCTCTTCAATTCAGTGTGAGTGTGATGATGATGATGATGATGATGATGATGAT 1183
DB 1087 CCCCCTCTTCAATTCAGTGTGAGTGTGATGATGATGATGATGATGATGATGATGAT 1146
QY 1184 TTGGCTGGCAAGAGATTTAAAAAAGGCAAGAAATCCAAAGAGATGAATGACCATTA 1243
DB 1147 TTGGCTGGCAAGAGATTTAAAAAAGGCAAGAAATCCAAAGAGATGAATGACCATTA 1206
QY 1244 TTTAATGCGCCCTTGTGGAAGAAATTTCTTGGAATTAATAATCATGAGATCTTTAA 1303
DB 1207 TTTAATGCGCCCTTGTGGAAGAAATTTCTTGGAATTAATAATCATGAGATCTTTAA 1266
QY 1304 TCCCTTCATGAACGTTTGTGTGGTGACCTCTGATGATGATGATGATGATGATGATG 1362
DB 1267 TCCCTTCATGAACGTTTGTGTGGTGACCTCTGATGATGATGATGATGATGATGATG 1326
QY 1363 TTTCAATCATCTGGAAGATTTTACCCGACCAACAGTTCCTTACGTTCCATTTGCCCC 1422
DB 1327 TTTCAATCATCTGGAAGATTTTACCCGACCAACAGTTCCTTACGTTCCATTTGCCCC 1386
QY 1423 CTCATTTATCCCTTCAACCCCGACAGGTTTATACAGTCACTTTTGTCTTTT 1482
DB 1387 CTCATTTATCCCTTCAACCCCGACAGGTTTATACAGTCACTTTTGTCTTTT 1446
QY 1483 CTGAGGAGAAACAATTAAGACCAT -AAGGGAAGAGATTCATGTAATTAAGATGGCT 1541
DB 1447 CTGAGGAGAAACAATTAAGACCATTAAGGGAAGAGATTCATGTAATTAAGATGGCT 1506
QY 1542 GACTTTGCTCTTCTTCTGATCTTGTGTTTCAATTCAGTCTGATCTGATGACAG 1601
DB 1507 GACTTTGCTCTTCTTCTGATCTTGTGTTTCAATTCAGTCTGATCTGATGACAG 1566

QY	1602	ACACTTCGAATGAAGGCAAAATTTGATACATATGGATATGAGACTACGTTTCCTTCA	1661
Db	1567	ACACTTCGAATGAAGGCAAAATTTGATACATATGGATATGAGACTACGTTTCCTTCA	1626
QY	1662	GATCAAAATTTACGTCGTCTTTTGATACTGTGGAGGTAACACTTTATAGAAAGTTCAA	1721
Db	1627	GATCAAAATTTGCGTCGTCTTCTGTATAC - GTGAGAGGTACACTCT - - - - ATGAGTCA	1680
QY	1722	AAGCTTCAGCGTCCTTTCTTTCACTCAGGAGTAATGGGGTCGCGTCAGTTGA	1781
Db	1681	AAGCTTCAGCGTCCTTTCTTTCACTCAGGAGTAATGGGGTCGCGTCAGTTGA	1740
QY	1782	AAGAGTCCTATTTTGCACTGTAGCCTGCGCGCTGTGAATTTGAGCCATCCTATTTAACTG	1841
Db	1741	AAGAGTCCTATTTTGCACTGTAGCCTGCGCGCTGTGAATTTGAGCCATCCTATTTAACTG	1800
QY	1842	CTTAGGCGTCGCCACCTTTTTCAGCCACTCTCTTTTCAGTTGGCTGACTTCCACAC	1901
Db	1801	CTTCA - CCGTCGCCACCTTTTTCAGCCACTCTCTTTTCAGTTGGCTGACTTCCACAC	1859
QY	1902	TAGCATCTCATGAGTGGCAAGCAAAAGGAGAGAGAAATATACCTGCGCGGTTTTT	1961
Db	1860	TAGCATCTCATGAGTGGCAAGCAAAAGGAGAGAGAAATATACCTGCGCGGTTTTT	1919
QY	1962	AGTTTGGGGGTTTTGCTGTTTTCCTTTTATGAGACCATTCTATTTCTTATAGTCAATGT	2021
Db	1920	AGTTTGGGGGTTTTGCTGTTTTCCTTTTATGAGACCATTCTATTTCTTATAGTCAATGT	1979
QY	2022	TTCTTTATACGATATTTATTACTAAGAAAACATCACTGAATGCTAGCTGCAAGTACA	2081
Db	1980	TTCTTTATACGATATTTATTACTAAGAAAACATCACTGAATGCTAGCTGCAAGTACA	2039
QY	2082	TCTTTTGATGTCATATNGAAGAGTAAAGACAGGTGGAGAAATTCCTTGATTCACAATGA	2141
Db	2040	TCTTTTGATGTCATATNGAAGAGTAAAGACAGGTGGAGAAATTCCTTGATTCACAATGA	2099
QY	2142	AATGCTCTCTTTCCCTGCCCCAGACATTTTATCCACTTACCTAGATTCACATAATC	2201
Db	2100	AATGCTCTCTTTCCCTGCCCCAGACATTTTATCCACTTACCTAGATTCACATAATC	2159
QY	2202	TTTTAAATTCATCGACGGCCTCCCTCAACCCAC	2235
Db	2160	TTTTAAATTCATCGACGGCCTCCCTCAACCCAC	2193

RESULT 23
 US-08-410-569-1
 : Sequence 1, Application US/08410565
 : GENERAL INFORMATION:
 : APPLICANT: Tedder, Thomas F.
 : APPLICANT: Spertlin, Olivier G.
 : TITLE OF INVENTION: LEUCOCYTE ADHESION MOLECULE-1 (LAM-1)
 : TITLE OF INVENTION: AND LIGAND THEREOF
 : NUMBER OF SEQUENCES: 11
 : CORRESPONDENCE ADDRESS:
 : ADDRESSEE: Weingarten, Schurgin, Gagnebin & Hayes
 : STREET: Ten Post Office Square
 : CITY: Boston
 : STATE: MA
 : COUNTRY: USA
 : ZIP: 02109
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Floppy disk
 : COMPUTER: IBM PC compatible
 : OPERATING SYSTEM: PC-DOS/MS-DOS
 : SOFTWARE: PatentIn Release #1.0, Version #1.25
 : CURRENT APPLICATION DATA:
 : APPLICATION NUMBER: US/08/410,569
 : FILING DATE:
 : CLASSIFICATION: 435
 : PRIOR APPLICATION DATA:
 : APPLICATION NUMBER: US 07/770,608
 : FILING DATE: 03-OCT-1991

APPLICATION NUMBER: US 07/700,773
 FILING DATE: 15-MAY-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Heine, Holliday C.
 REGISTRATION NUMBER: 34,346
 REFERENCE/DOCKET NUMBER: DEFCG-152EX
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 542-2290
 TELEFAX: (617) 451-0313
 TELEX: 940675
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2330 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 53..1210
 US-08-410-569-1

	Query Match	Best Local Similarity	Score	DB	Length
	92.4%	98.5%	2087.6	8	2330
	Matches 2161;	Conservative	0;	Mismatches	24; Indels 9; Gaps 5
QY	44	CCCTTTGGCAGGACCTGTAGACCCCTTGTGCTAAGTCAAGGCTCAATGGGCTGCAGAAAG	103		
Db	7	CCCTTTGGGCGAGGACCTGTAGACCCCTTGTGCTAAGTCAAGGCTCAATGGGCTGCAGAAAG	66		
QY	104	AACTAGGAAGAGCCCAAGCAAGCCATGATATTTTCCATGSAATGTACAGACCCAGAG	163		
Db	67	AACTAGGAAGAGCCCAAGCAAGCCATGATATTTTCCATGSAATGTACAGACCCAGAG	126		
QY	164	GGACCTATGGAACATCTTCAGATTTGTGGGGGTGACAAATGCTGTGTGTATTTCTGTGC	223		
Db	127	GGACCTATGGAACATCTTCAGATTTGTGGGGGTGACAAATGCTGTGTGTATTTCTGTGC	186		
QY	224	ACATCATGGAACCTACTGCTGTGACCTTACCATTATTTCTGAAAAAACCCTAGAACCTGGCAAG	283		
Db	187	ACATCATGGAACCGACTGCTGTGACCTTACCATTATTTCTGAAAAAACCCTAGAACCTGGCAAG	246		
QY	284	GGCTAGAGATTTGCGCGAGCAATTAACAGAGATTTAGTTGGCATACAAAAACAAGCGGGA	343		
Db	247	GGCTAGAGATTTGCGCGAGCAATTAACAGATTTAGTTGGCATACAAAAACAAGCGGGA	306		
QY	344	AATTTGAGTATCTTGGAGAAAGCTCTGCCCTTCAAGTGTCTTACTACTGATAGGAATCCG	403		
Db	307	AATTTGAGTATCTTGGAGAAAGCTCTGCCCTTCAAGTGTCTTACTACTGATAGGAATCCG	366		
QY	404	GAAGATAGAGGAATTTGTGAGCTGGGGTGGGAACCAACAATCTCTACTAGAAAGCAGA	463		
Db	367	GAAGATAGAGGAATTTGTGAGCTGGGGTGGGAACCAACAATCTCTACTAGAAAGCAGA	426		
QY	464	GAACCTGGGAGATGGTGAAGCCACACACAGAAAGACAGAGAGATGCTGGTAGATCTTA	523		
Db	427	GAACCTGGGAGATGGTGAAGCCACACACAGAAAGACAGAGAGATGCTGGTAGATCTTA	486		
QY	524	TATCAGAGAGAAACAAAGATGCGAGGCAAAATGGAAGATGAGCGCTGGCCACAACTAAAGCC	583		
Db	487	TATCAGAGAGAAACAAAGATGCGAGGCAAAATGGAAGATGAGCGCTGGCCACAACTAAAGCC	546		
QY	584	AGGCGCTGTGTACAGAGCTTCTTGGCAAGCCCTGTGTCATGCAAGTGGCCATGGAGATGTGT	643		
Db	547	AGGCGCTGTGTACAGAGCTTCTTGGCAAGCCCTGTGTCATGCAAGTGGCCATGGAGATGTGT	606		
QY	644	AGAAATCATCATTAATTCACACACTGCAATGTGATGTGGGTACTATATGGGCCCAAGTGTCA	703		
Db	607	AGAAATCATCATTAATTCACACACTGCAATGTGATGTGGGTACTATATGGGCCCAAGTGTCA	666		

OY	704	GCITGTGATTACAGTGTGAGAGCCCTTTGGAGGGCCCCAGAGCTGGGTACATGTGAGACTGTATCTCA	763
Db	667	GTTTTGTGATTTACAGTGTAGAGCCCTTTGGAGGGCCCCAGAGCTGGGTACATGTGAGACTGTATCTCA	726
OY	764	CCCCCTTTGGAAACTTTCAGCTCTTCAGCTCACAGTGTGGCTTTCAGCTGTGCTGTGAAGGAACAA	823
Db	727	CCCTTTTGGGAACCTTCAACTTTCACACTCACAGTGTGGCTTTCAGCTGTGCTGTGAAGGAACAA	786
OY	824	CTTAAGTGGGATTGGAAGAAACCAACCTGTGGACCATTTGGAAACTGGTCACTCCAGAAC	883
Db	787	CTTAAGTGGGATTGGAAGAAACCAACCTGTGAAACCATTTGGAAACTGGTCACTCCAGAAC	846
OY	884	AACTGTTCAGTGTATTAGTGTGAGCTCTATAGACACAGATTGGGATATATGAACTG	943
Db	847	AACTGTTCAGTGTATTAGTGTGAGCTCTATAGACACAGATTGGGATATATGAACTG	906
OY	944	TAGCATTCCCCCTGGCCAGCTTCAGCTTTACCTCTGTGATGACCTTCATGTGCTGCAAGG	1003
Db	907	TAGCATTCCCCCTGGCCAGCTTCAGCTTTACCTCTGTGATGACCTTCATGTGCTGCAAGG	966
OY	1004	AACTGAGTTAAATTGGGAAGAAACCAATTTGTGATCATCTGAAATCGTCAAAATCC	1063
Db	967	AACTGAGTTAAATTGGGAAGAAACCAATTTGTGATCATCTGAAATCGTCAAAATCC	1026
OY	1064	TAGTTCCAATATGTCAAAAAATTGGCAAAAGTTTCTCAATGATTTAAGAGGGTGATTTATA	1123
Db	1027	TAGTTCCAATATGTCAAAAAATTGGCAAAAGTTTCTCAATGATTTAAGAGGGTGATTTATA	1086
OY	1124	CCCCCTCTCAATTCAGTGGCAGTCATGTTGTTACTGATCTCTGGTGTGGCAATTATCAT	1183
Db	1087	CCCCCTCTCAATTCAGTGGCAGTCATGTTGTTACTGATCTCTGGTGTGGCAATTATCAT	1146
OY	1184	TTGGCTGGCAAGAGGATTTAAAAAAGGCAAGAAATCCAGAGAAGATTAATGACCCTATA	1243
Db	1147	TTGGCTGGCAAGAGGATTTAAAAAAGGCAAGAAATCCAGAGAAGATTAATGACCCTATA	1206
OY	1244	TTAAATGCCCCCTTGTGTGAAGAAATTTCTTGGAAATCTAAAAATCATGAGATCTTTTAAA	1303
Db	1207	TTAAATGCCCCCTTGTGTGAAGAAATTTCTTGGAAATCTAAAAATCATGAGATCTTTTAAA	1266
OY	1304	TCTCTTCATGAACGTTTGTGTGTGGGACCTCCACCTCAAAACATGAAGGTG-TTCC	1363
Db	1267	TCTCTTCATGAACGTTTGTGTGTGGGACCTCCACCTCAAAACATGAAGGTGTCTTTC	1326
OY	1363	TTACAGTCATCTGGGAGAGATTTCACCCGACCAACAGTTCCTTCAGCTCCATTTTCGGCC	1422
Db	1327	TTACAGTCATCTGGGAGAGATTTCACCTGACCAACAGTTCCTTCAGCTCCATTTTCACC	1386
OY	1423	CTCATTTATCCCTCACACCCCCACCCACAGAGTGTATTACAGCTCAGCTTTTGTCTTT	1482
Db	1387	CTCATTTATCCCTCACACCCCCACCCACAGAGTGTATTACAGCTCAGCTTTTGTCTTT	1446
OY	1483	CTGAGGAGAAACAAATTAAGACAT-TAAGGAAAGATTCATGTGAAATTAAGATGGCT	1541
Db	1447	CTGAGGAGAAACAAATTAAGACATTAAGGAAAGATTCATGTGAAATTAAGATGGCT	1506
OY	1542	GACTTGTCTCTTCTTGACACTTGTGTTTTCAGTTCAATTCAGGCGTACTGATGATGAGAG	1601
Db	1507	GACTTGTCTCTTCTTGACACTTGTGTTTTCAGTTCAATTCAGTGTACTGATGATGAGAG	1566
OY	1602	ACACTTCTAAATGAAGTGAATTTGATACATATGTGATATGACTCAGTCTTTCTTGCA	1661
Db	1567	ACACTTCTAAATGAAGTGAATTTGATACATATGTGATATGACTCAGTCTTTCTTGCA	1626
OY	1662	GATCAAAATTTTCAGTGTCTCTTCTGTGTATCTGTGTGGAGGTACACTCTTATTAAGAACTTCAA	1721
Db	1627	GATCAAAATTTTCAGTGTCTCTTCTGTGTATCTGTGTGGAGGTACACTCTTATTAAGAACTCA	1680
OY	1722	AAAGCTTACGGCTCTCTTCTTCTTCAATCAGTCAAGTGAATGTGGGCTCCGCTCAAGTTGA	1781
Db	1681	AAAGCTTACGGCTCTCTTCTTCTTCAATCAGTCAAGTGAATGTGGGCTCTGCTCAAGTTGA	1740
OY	1782	AAAGGTCCTATTTTGCACCTGTAGCTGCGCTGCTGTGAATTTGAAACCATCTTATTTAACTGG	1841

Db	1741	AGAGGCGCTATTGGACGTGTACGCTCGCGCTGTGTGAATGGACATCTAATTTAACTGG	1800
Qy	1842	CTTCAGGCGCTCCCGACGCTTCATCAGCCACGCTCTCTTTTTCAGTTGGGAGACTTCACACC	1901
Db	1801	CTTCA-GCGTCCCGACGCTTCACAGCCACGCTCTCTTTTTCAGTTGGGAGACTTCACACC	1859
Qy	1902	TAGCATCTCAGTAGTGCCAGACGAAAAGAGAGAGAAATAGCTCGCGGCTTTTTT	1961
Db	1860	TAGCATCTCAGTAGTGCCAGACGAAAAGAGAGAGAAATAGCTCGCGGCTTTTTT	1919
Qy	1962	AGTTGGGGGCTTTCGCTTTCTTTATAGACCCATCTCTATTTCTTAAGTCANGT	2021
Db	1920	AGTTGGGGGCTTTCGCTTTCTTTATAGAGACCCATCTCTATTTCTTAAGTCANGT	1979
Qy	2022	TCTCTTTATCAGATATTATTAGTAAGAAAACATCAGTAATCTAGCTCAGTGACA	2081
Db	1980	TCTCTTTATCAGATATTATTAGTAAGAAAACATCAGTAATCTAGCTCAGTGACA	2039
Qy	2082	TCTCTTTGATGTCATATGGAAGAGTTAAACAGGTGAGAAATCTTGATTCAATGA	2141
Db	2040	TCTCTTTGATGTCATATGGAAGAGTTAAACAGGTGAGAAATCTTGATTCAATGA	2099
Qy	2142	AATGCTCTCCTTCCCGTCGCCCCGAGACTTTATCCACTACCTAGATTCTACATATTC	2201
Db	2100	AATGCTCTCCTTCCCGTCGCCCCGAGACTTTATCCACTACCTAGATTCTACATATTC	2159
Qy	2202	TTTAAATTTTCATCTCAGGCTCCCTCAACCCGAC	2235
Db	2160	TTTAAATTTTCATCTCAGGCTCCCTCAACCCGAC	2193
RESULT 24			
US-60-164-285-5139			
; Sequence 5139, Application US/60164285			
; GENERAL INFORMATION:			
; APPLICANT: Ma, Xiao-Jun			
; TITLE OF INVENTION: Tumor Associated Molecules (TAMS): Targets for diagnosis, tree			
; FILE REFERENCE: 3214			
; CURRENT APPLICATION NUMBER: US/60/164,285			
; CURRENT FILING DATE: 1999-11-05			
; NUMBER OF SEQ ID NOS: 8259			
; SEQ ID NO 5139			
; LENGTH: 1788			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
US-60-164-285-5139			
Query Match 71.1%; Score 1605.4; DB 55; Length 1788;			
Best Local Similarity 99.4%; Pred. No. 0;			
Matches 1653; Conservative 0; Mismatches 6; Indels 4; Gaps 4;			
Qy	576	CTAAGGCGAGCCCTGTGTACACAGCTTCTTGCCAGGCGCTGGTCATGACAGTGCCATGGA	635
Db	1	ctaaagcgagccctctgttacacagctctctgccaagccctgtcatgcaigtgagcatgga	60
Qy	636	GAATGTGTAGAATCATCAATTAATCACACCTGCAACTGTGTGTGGGTACTATGGCCC	695
Db	61	gaatgtgtagaatcatcaatataatataacacctgcaactgtgtgtgtgtactatgagccc	120
Qy	696	CAGTTCAGCTTGTCATTGACAGTGTGAGGCTTTGGAGGCGCCAGAGGCTGGGACATGGAC	755
Db	121	cagtcacagcttgatcatcagtcagtcagcttgagagcccaagagctgggtacacagagac	180
Qy	756	TGTACTCAACCCCTTTGGAACCTCAGCTTACGCTACAGTGTGCTTACAGTGTCTGAA	815
Db	181	tgtaactcaaccttgagaaactcagctcagctcacaagtcagtcgtgcttcagctgctcga	240
Qy	816	GGAACAACTTAACGTGGGATTTGAAGAAACCACTGTGTGACCATTTGGAAACTGGTCACT	875
Db	241	ggaacaaacttaactcaggaattcgaagaacacacctgtgagacatttgaaactggtcact	300

QY 876 CCAAGAACCAACCTGTCAAGTGTAGTGTGACCTCTATACAGACACAGATTTGGGATC 935
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 Db 301 ccagaaccaacctgtcaagatgattcagtgtagcccttaccagcacccagattggggatc 360
 QY 936 ATGAACTGTAGCCATCCCTGGCCAG-CTTCAGCTTTACTCTGCAATGTAACCTTCACTG 994
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 Db 361 atgaactgttagccatccctggccagcttaccagcttaccctgcagatgtaaccttcc 420
 QY 995 CTCAGAGAACCTGAGTAAATTGGAAGAAACCAATTTGTGATCAATCTGGAATCTG 1054
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 Db 421 ctcaagaagaactgagatgattatgaggagaagaacaaccttctgtaacatcctggaatc 480
 QY 1055 GTCAAACTCTAGTCAATATGTCAAAATTTGACAAAAGTTTCTCAATGATTAAAGAGG 1114
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 Db 481 gtaaacctcagtcacatgtaaaatggaacaaagtttctcaatgattaaaggaagg 540
 QY 1115 TGATTTAAACCCCTCTTATTCATTCATGACAGTACGATGTTACTGCAATCTCTGGTGGC 1174
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 Db 541 tgattataaccccttcaatccagtgagcagtcagtcagtcagtcagtcagtcagtcagtc 600
 QY 1175 ATTTATCATTTGGCTGGCAAGAGATTTAAAAAAGSCAAGAAATCCAAAGAGATTTGAA 1234
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 Db 601 attatcatcttgctgagcaagagatataaaaaagcaagaatcccaagaagaatcagaa 660
 QY 1235 TGAACCAATTAATGAGCCCTTGGTGAAGAAATTTCTTGAAATACTAAAAATCATGAGA 1294
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 Db 661 tgaccatattaatgcctcttggtgaagaanaattcttggaataactaaataatcagaga 720
 QY 1295 TGCTTTAAATCCCTCCATCAATGAAGCTTTTGTGTGGGACCTCTACGTCGAACATGAAG 1354
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 Db 721 tcccttaaaccttccatgaaacgltgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 780
 QY 1355 TGTG-TTCCCTGAGTGCATCTGGAGAGATTTTACCCGCAACAGTTCCTTACAGCTTCC 1413
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 Db 781 tgtgttctcctcagtgacatctgaggaagatttcttaccctgacacacagttccttcagcttcc 840
 QY 1414 ATTTGCCCCCTATTTATCCCTCAACCCGACCCACAGGTGTTTATACAGCTCAGCTTT 1473
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 Db 841 attcgcctccatattatccctcaaccccccagcccaagtglttatacagctcagctt 900
 QY 1474 TTGTCTTTCTGAGAGAAACAATAAGCCAT-AAGGAAAGGATTCATGTGGAAATATA 1532
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 Db 901 tggctcttctcgaagagaacaataaagacataaaggaagaaagatctcgtggaatata 960
 QY 1533 AAGATGGCTGACCTTGTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1592
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 Db 961 aagatggctgacttctgcttcttcttcttcttcttcttcttcttcttcttcttcttcttctt 1020
 QY 1593 TGATGACAGACCTTCTTAATGAGTGCATAATTTGATACATATGTGAATATGAGTCACT 1652
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 Db 1021 tgaatgacagacacttcttaaatgaatgacaaattgatacatagtgaaatagactcag 1080
 QY 1653 TTTCCTGAGATCAAAATTTACGTGTCTCTGTATACGTGAGTACACTCTTATAGA 1712
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 Db 1081 tttctctgagacaaattcagctgccttctgatactgtagaggtacacacttataga 1140
 QY 1713 AAGTTCAAAAAGTCTACGCTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1772
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 Db 1141 aagttcaaaaagctcagctctccttcttcttcttcttcttcttcttcttcttcttcttctt 1200
 QY 1773 TCAAGTTGAAGAGTCTTATTTGCACTGATGAGCTGCGCTGTGAATTTGACATCTTA 1832
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 Db 1201 tcaagtgtgaaagagctcatttgcacttgcagctgcgctgtgaaatctgagccatctcta 1260
 QY 1833 TTTTACTGGCTTCAAGCCCTCCACCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1892
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 Db 1261 cttaactgtgctca-gccctccacacttcttcaagacactccttcttcaagtgtgagc 1319
 QY 1893 TTCCACACCTAGCATCTCATGTAGTGCACAAGCAAAAGAGAGAGAAGAAATATGAGCTCG 1952
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 Db 1320 ttccacactcagcatctcatatgagtgccaagcaaaagagagagaaatagacctgcg 1379
 QY 1953 CGGTTTTTAACTTGGGGGTTTTGCTGTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 2012
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Db 1380 cgttttttagttgggggttttgcgttctctttatagagaccatcttcttctat 1439
 QY 2013 AGTCATATGTTTCTTTATACAGATATTTATAGTAAAGAAATCTGCTAATGCTAGCTG 2072
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 Db 1440 agtcaatgtttctttatcagatattataglaaagaacacacacacacacacacacac 1499
 QY 2073 CAAGTACATCTCTTGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2132
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 Db 1500 caagtgacatcctcttgatgataatgagagtttaaaacaggggagaaatctctgac 1559
 QY 2133 TCACATGAAATGCTCTCTTCCCTGACCCGACAGACTTTATACACTTACATGATTC 2192
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 Db 1560 tcaaatgaaatgctctccttcccttccctgccccagactttatcttacccttaccagatc 1619
 QY 2193 TACATATCTTTAAATTTTATCATCTCAGGCTCGCTCAACCCAC 2235
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 Db 1620 tacatatctttaaattcaatctcagacctccctcaacccac 1662

RESULT 25
 US-60-164-285-5456
 ; Sequence 5456, Application US/60164285
 ; GENERAL INFORMATION:
 ; APPLICANT: Ma, Xiao-Jun
 ; TITLE OF INVENTION: Tumor Associated Molecules (TAMs): Targets for diagnosis, trea
 ; FILE REFERENCE: 3214
 ; CURRENT APPLICATION NUMBER: US/60/164, 285
 ; NUMBER OF SEQ ID NOS: 8259
 ; SEQ ID NO 5456
 ; LENGTH: 1788
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-60-164-285-5456

Query Match 71.1%; Score 1605.4; DB 55; Length 1788;
 Best Local Similarity 99.4%; Pred. No. 0;
 Matches 1653; Conservative 0; Mismatches 6; Indels 4; Gaps 4;

QY 576 CTAAGGACGCCCTCTGTTCACAGCTTCTTGACAGCCCTGCTGATGCAGTGGCCATGGA 635
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 Db 1 ctlaaagcagccctctgttaccacagcttcttgcagccctgtcatgagtgccatgga 60
 QY 636 GAATGTGAGAAATCAT 695
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 Db 61 gaatgtgagaaatcatatataatataatataatataatataatataatataatataatataat 120
 QY 696 CAGTGTACAGCTTGTGATTCAGTGTGAGCTTGTGAGGCCGACAGAGCTGGATCAGTGGAC 755
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 Db 121 cagtgtaagcttgatcagatcagtgtagagccttggagagccagagctgggttaccatgagac 180
 QY 756 TGTACTACCCCTTGGAACTTCACTTCACTGCTCACTGCTCACTGCTCACTGCTCACTGCTCA 815
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 Db 181 tgtactaccccttgggaaactcagctcagctcagctcagctcagctcagctcagctcagctcag 240
 QY 816 GGACCAAACTTAACCTGGATGAGAAACCAACCTGGACCATTTGAACTGGTATCT 875
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 Db 241 ggaacaaacttaactgagatggaagaaacacactgtagacatttgaactgttactc 300
 QY 876 CCAGAACCAACCTGCAAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 935
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 Db 301 ccagaaccaactctgtaagtgatcagtgtagagccttatacagacacagatttggggatc 360
 QY 936 ATGAACCTGTAGCCATCCCTGGCCAG-CTTCAGCTTTACTCTGCAATGTAACCTTCACTG 994
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 Db 361 atgaactgttagccatccctggccagcttaccagcttaccctgcagatgtaaccttcc 420
 QY 995 CTCAGAGAACCTGAGTAAATTGGAAGAAACCAATTTGTGATCAATCTGGAATCTG 1054
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 Db 421 ctcaagaagaactgagatgattatgaggagaagaacaaccttctgtaacatcctggaatc 480

QY 1055 GTCAATCTAGTCAATATGTCAAAAAATGGCAAAAAGTTTCTCAATGATTAAGAGGG 1114
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Db 481 gtcaatcctagtcacataigtcaaaaaatggacaaaaatgtcccaatgataagagggg 540
QY 1115 TGATTATACCCCTCTTTCATTCAGTGGCAGTATGTTACTGCAATCTCTGGGTTGGC 1174
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Db 541 tgattataacccctcttcacatcagtcagtcagtcagtcagtcagtcagtcagtcagtc 600
QY 1175 ATTATATATTTGGCTGGCAGAGATTAATAAAGGCAAGAAATCCAAAGAAATATAGAA 1234
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QY 1235 TGACCCATATTAATCCCTCTTGGTGAAGAAATCTTGGAAATCTAATAATATGAGA 1294
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Db 721 tccattaatccctccatgaaagcttggtggtgacccctcctcagtcacacatgaa 780
QY 1355 TGTG-TTTCCTTCAATGATCTGGGAGATTTCTACCGACCAACAGTTCTTCAAGCTTCC 1413
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Db 781 tggttctcctcagtgacatcgggaagaattctacccgaacaacagttccttcagctcc 840
QY 1414 ATTTGCCCCCTCATTTATCCCTCAACCCCGACGACAGGTATTATACAGCTCAGCTTT 1473
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Db 841 attcgcctccattatccctccaccccccaagtggttatacagctcagcttc 900
QY 1474 TTGTCTTTTCTGAGAGAAACAAATTAAGACAT-AAGGAAAGATTCATGATGAATATA 1532
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Db 901 ttgctcttcctcagagagaacaaataagacataaaggaaagatcattcagtcagata 960
QY 1533 AAGATGGCTGACTTGGCTTTCTTGTGACTGCTGTTTCAAGTTCAATTCAGTGTGACT 1592
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Db 961 aagatggctgacttgcctcttccttccttccttccttccttccttccttccttccttc 1020
QY 1593 TGATGACAGACACTTCTAATTAAGATGCAATTTGATATGATATGACTAGT 1652
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Db 1021 tgaatgacagacacttccataatgaagtgcaaaattgatacatatgtgataatgagctcag 1080
QY 1653 TTTCTTCAGATCAAAATTTTACGTCGTCTGTATCTGTGAGGTACACTCTTATAGA 1712
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Db 1081 ttctctgcagatcaaatcttcacgctccttcgtatcagtcagtcagtcagtcagtcagtc 1140
QY 1713 AAGTTCAAAAAGTCTAGCTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1772
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Db 1141 aagttcaaaaagtcagctccttccttccttccttccttccttccttccttccttccttc 1200
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QY 1833 TTTTAAGTGGCTTCAAGGCTCCCACTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1892
|||||
Db 1261 tttaacgctctca-gcctcccccactcttccttcagccactccttccttccttccttccttc 1319
QY 1893 TTCCACACCTTAGCATCTCATGAGTGGCCAGCAAAAGAGAGAGAGAAATATACCTGGC 1952
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Db 1320 ttccacaccccaagcattcctcctcctcctcctcctcctcctcctcctcctcctcctc 1379
QY 1953 CGGTTTATTTTGGGGGTTTTGCTGTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 2012
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Db 1380 ctgtcttctttagttgggggttctgtcttccttccttccttccttccttccttccttcct 1439
QY 2013 AGTCAATGTTTTCTTTATCAGATATTTATTAAGAAAAACATCATCTGAATGCTAGCTG 2072
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Db 1440 agtcaatgttcttcttatacagatatatttagtaagaanaacatcacgaaatgttagctg 1499
QY 2073 CAAGTGCATCTCTTATATGTCATATGAGAGAGTTAAAGAGTGGAGAAATCTCTGAT 2132
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Db 1500 caagtgcacatctcttgatgtcatatgaaagagtttaaaacaggtggaagaaattccttgat 1559
QY 2133 TCACAATGAATGCTCTCTCTTCTCCCTGCCCCAGAACTTTATCTCACTAGATTC 2192

Db 1560 tcacaatgaatagctctccctccctccctccctccctccctccctccctccctccctcc 1619
QY 2193 TACATATTTCTTTAATTTTATCTCATGAGCTCTCCCAACCCAC 2235
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Db 1620 tacatatctttaaatttcatctcagtcagtcagtcagtcagtcagtcagtcagtcagtc 1662
RESULT 26
US-09-760-443-684
? Sequence 684, Application US/09760443
? GENERAL INFORMATION:
? APPLICANT: Rosen et al.
? TITLE OR INVENTION: Nucleic Acids, proteins, and antibodies
? FILE REFERENCE: P0212
? CURRENT APPLICATION NUMBER: US/09/760,443
? CURRENT FILING DATE: 2001-01-16
? Prior application data removed - refer to PALM or file wrapper
? NUMBER OF SEQ ID NOS: 2164
? SOFTWARE: PatentIn Ver. 2.0
? SEQ ID NO 684
? LENGTH: 1213
? TYPE: DNA
? ORGANISM: Homo sapiens
? FEATURE:
? NAME/KEY: SITE
? LOCATION: (1114)
? OTHER INFORMATION: n equals a,t,g, or c
? NAME/KEY: SITE
? LOCATION: (1121)
? OTHER INFORMATION: n equals a,t,g, or c
? NAME/KEY: SITE
? LOCATION: (1142)
? OTHER INFORMATION: n equals a,t,g, or c
? NAME/KEY: SITE
? LOCATION: (1157)
? OTHER INFORMATION: n equals a,t,g, or c
? NAME/KEY: SITE
? LOCATION: (1182)
? OTHER INFORMATION: n equals a,t,g, or c
? US-09-760-443-684
Query Match 49.5%; Score 1117.2; DB 30; Length 1213;
Best Local Similarity 96.5%; Pred. No. 4; 8e-305;
Matches 1171; Conservative 9; Mismatches 27; Indels 6; Gaps 4;
QY 692 GCCCAGTGTACAGCTTGTGATTCAGTGTGAGCCCTTGGAGCCCGACAGCTGGGTACCAT 751
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Db 1 gccccagtgtcagctgtgtatcctcagtggtgagccttgaggccccaagctgggtacat 60
QY 752 GGACTGTACTACCCCTTTGGAAACTTTCAGCTTCAGCTCAAGTGTGCTTCAAGCTGCTC 811
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Db 61 ggaactgtactaaccccttgaggaaacttcagcttcagtcacagtggtccttcagctc 120
QY 812 TGAAGGAACAACCTTACTCTGGGATTGAAGAAACCACTGTGGACATTTGGAAACTGTCTC 871
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Db 121 tgaaggaaacaacttaactcagtggtatgaaagaaacacactgtggacatttggaaactgtc 180
QY 872 ATCCAGAACCAACCTGTCAAGATGATTCAGTGTGAGCCCTTATCAGACACAGATTTGGG 931
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Db 181 atcccaagaaacacccgtcagatgattcagtggtgagccttcacagcacaagattggg 240
QY 932 GATCATGAACTGTAGCCATCCCTGGCCAGCTTCAGCTTACTCTGATGTACCTTCAT 991
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Db 241 gatcatgaactgttagcatccctggccagcttcagcttacccttcagtcagtcagtcagtc 300
QY 992 CTGCTCAGAGGAACCTGATTTAATTTGGAGAGAAACCAATTTGTAAATCATCTGGAAT 1051
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Db 301 ctgctcagaaggaactgagtttaattgggaagaaacacatttggatcatccttgat 360
QY 1052 CTGCTCAAACTCATAGTCCATATGTCAAAAATTTGACAAAGTTTTCATGATTAAGA 1111
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Db 361 ctggtcaaaactccagtcacatgtaacaaatggaacaaagtctccatgtaaga 420
QY 1112 GGGTGATTTATAACCCCTCTTCAATCCAGTGGAGTCATGGTACTGATCTCTGGGTT 1171
Db 421 ggggtgattataacccctctccatccagtggaagcatggttaacgcatctctgggtt 480
QY 1172 GGCATTTATCATTTGGCTGGCAAGAGATTTAAAAAGCAGAGAAATCCAGAGAAATAT 1231
Db 481 ggcattatcatctgtgccaagagatgtaaaaaaagaaagaatccaaagaaagtat 540
QY 1232 GAATGACCATTTAATATGCGCCCTTGTTGTAAGAAATTTGTAATTTACTAAAAATCATG 1291
Db 541 gaatgacccatataacacgccccttggaagaataatcttggaatacctaaataacatg 600
QY 1292 AGATCCCTTTAAATCTTCCATGTAAGAGTTTGTGTGTGGACCTCTTACGTCAAAATG 1351
Db 601 agatcccttaaatccctccatggaacgtttgtgtgtgacccctccatgtaaacatg 660
QY 1352 AAGTGTG-TTCCCTTCAAGTCATCTGGAAAGATTTCTACCCGACCAACAGTTCCTTACGCT 1410
Db 661 aagtgtgtctccctcagtcgcatctggaaagattcttaccgcgaccacagctccctcagct 720
QY 1411 TCCATTTGCGCCCTCATTTATCCCTCAACCCCGACACAGGTGTTTATACGCTCAGC 1470
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QY 1471 TTTTGTCTTTTCTGAGAGAAACAATTAAGACCAT-AAAGGAAAGATTCATGTGGAAT 1529
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QY 1530 ATTAAGATGGCTGACCTTCTCTCTCTTCTTCACTCTGTTTCAAGTTCAATTCAGTCTGT 1589
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QY 1650 AGTTTCTTTCAGAGTCAAAATTCACGTCGTCTTGTATATCTGTGAGGTAGACTCTTAT 1709
Db 961 agttctcttgcaagataaattcaatgcaagtcgtctctgtatatacgtggaagttacactctat 1020
QY 1710 AAAAAATTTAAAAAGTCTACGCTCTCTTCTTCTTCTTCACTCCAGTGAATATGGGTC 1769
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QY 1770 TCCCTAAGTTGAAAGAGTCTATTTTGACATGTAGCC--TCGCGCTGTGGAATTTGAGCA 1827
Db 1081 tgcctmagtgaagaatctctctctctctctctctctctctctctctctctctctctctctct 1140
QY 1828 TCC--TATTTAACTGGCTTCAGGCTCCGACCTTCTTCAAGCAGCAGCTCTTCTTCAAGTT 1885
Db 1141 tncctatctaacttgnttaagcylcccamctttttaagtaacactctttttttcagtt 1200
QY 1886 GCGTGACTTCCAC 1898
Db 1201 gctgactctcaac 1213
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RESULT 27
US-09-760-475-1506
; Sequence 1506, Application US/09760475
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PTZ49
; CURRENT APPLICATION NUMBER: US/09/760,475
; PRIOR APPLICATION DATA REMOVED - consult PALM or file wrapper
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1506
; LENGTH: 1213
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; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1114)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (1121)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (1142)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (1157)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (1182)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-760-475-1506
```

```
Query Match 49.5%; Score 1117.2; DB 30; Length 1213;
Best Local Similarity 96.3%; Pred. No. 4.8e-305;
Matches 1171; Conservative 9; Mismatches 27; Indels 6; Gaps 4;
```

```
QY 692 GCCCAGTGTGAGCTTTGATTCAGTGTGAGCTTTGAGAGGCCCGACAGCTGGTACCAT 751
Db 1 gccccaagtgcagctctgattcagtcgagccttggagccccaagcctgggtacat 60
QY 752 GGAGTGTACACCCCTTTGGAACCTTCAGCTTCAGCTCAGAGTGTGCTTCACTGCTC 811
Db 61 ggaagtgtacacccctctgggaacttcagcttcagctcacagtggtcttcagctc 120
QY 812 TGAAGAACAACTTAACGTGGATGAAGAACCACTGTGGACCATTTGGAACCTGTC 871
Db 121 tgaagaaacaaacttaactggatggaagaaacacactggtgacattggaactgctc 180
QY 872 ATCTCAGAACCAACCTGTCAAGTATTCAGTGTGAGCTTATCAGACGACGATTTGGG 931
Db 181 atctcagaacacactgtcaagtattcagtgagcctctacagacagatcttggg 240
QY 932 GATCATGAACGTGACCATTCCTCTGCGCACTTCAGCTTACCTCTGCACTTACCTTCAT 991
Db 241 gatcatgaaactgtacacctccctcggccaagcttcaagcttcaactctgcatgtacat 300
QY 992 CTGCTCAGAGAACCTGATTAATTGGAGAGAGAAACCTTTGTGATCATCTGGAAT 1051
Db 301 ctgctcagaagaactgagtaattgggaagaagaacacattgtgatactctggaat 360
QY 1052 CTGCTCAATCCTAGTCCCAATATGTCAAAAATTTGACAAAAGTTTCAATGATTAGA 1111
Db 361 ctggtcaaaactccagtcacatgtaacaaatggaacaaagtctccatgtaaga 420
QY 1112 GGCATTTATCATTTGGCTGGCAAGAGATTTAAAAAGCAGAGAAATCCAGAGAAATAT 1171
Db 421 ggcattatcatctgtgccaagagatgtaaaaaaagaaagaatccaaagaaagtat 480
QY 1172 GGCATTTATCATTTGGCTGGCAAGAGATTTAAAAAGCAGAGAAATTTGTAATTTACT 1231
Db 481 ggcattatcatctgtgccaagagatgtaaaaaaagaaagaatccaaagaaagtat 540
QY 1232 GAATGACCATTTAATATGCGCCCTTGTTGTAAGAAATTTGTAATTTACTAAAAATCATG 1291
Db 541 gaatgacccatataacacgccccttggaagaataatcttggaatacctaaataacatg 600
QY 1292 AGATCCCTTTAAATCTTCCATGTAAGAGTTTGTGTGTGGACCTCTTACGTCAAAATG 1351
Db 601 agatcccttaaatccctccatggaacgtttgtgtgtgacccctccatgtaaacatg 660
QY 1352 AAGTGTG-TTCCCTTCAAGTCATCTGGAAAGATTTCTACCCGACCAACAGTTCCTTACGCT 1410
Db 661 aagtgtgtctccctcagtcgcatctggaaagattcttaccgcgaccacagctccctcagct 720
```



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: GENERAL INFORMATION:
: APPLICANT: Morris, David
: TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
: FILE REFERENCE: A-711/1/RMS/DCF
: CURRENT APPLICATION NUMBER: US/09/997,722
: PRIOR FILING DATE: 2001-11-30
: PRIOR APPLICATION NUMBER: US 09/747,377
: PRIOR FILING DATE: 2000-12-22
: PRIOR APPLICATION NUMBER: US 09/798,586
: PRIOR FILING DATE: 2001-03-02
: NUMBER OF SEQ ID NOS: 301
: SOFTWARE: PatentIn version 3.1
: SEQ ID NO 138
: LENGTH: 1119
: TYPE: DNA
: ORGANISM: Homo sapiens
: US-09-997-722-138

Query Match          49.0%; Score 1107.8; DB 36; Length 1119;
Best Local Similarity 99.4%; Pred. No. 2.1e-302;
Matches 1112; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 129 ATGATATTTCCATGGAATGTCAGAGCACCCAGAGGAGCTTATGGAACATCTTCAAGTTG 188
    |||||||
Db 1 atgatatctcctgtaaatgtcagagcaccagaggaacttatggaacatcttcaagtgtg 60

QY 189 TGGGGGTGACAAATCTCTGTTGTATTTCTTGGCAATCATGGAACCTTACTGCTGGACT 248
    |||||||
Db 61 tgggggtgacaaatctctgttgtatcttccgacatcaggaacgactgctggact 120

QY 249 TACCATTTATTCGAAAAAACCATGAACTGGCAAGGGCTAGAGAATTCGCCGAGCAAT 308
    |||||||
Db 121 taacctattctcgaataaacctacgacggcaaaaggtctagaagattctgcggagaacaat 180

QY 309 TACACAGATTTAGTTGCCATACAAAAACAAGCGGAATTTAGTATCTGAGAGAAGCTGTG 368
    |||||||
Db 181 tacacagatttagttgacctatacaaaagcggaattgagttatctgagaagaactctg 240

QY 369 CCCTTCAGTCCTTTACTACTAGTAGAATCCGGAATATGAGGAATATGAGAGTGTG 428
    |||||||
Db 241 ccttcagtcgttctactaactcgtgataagaaatccggaagatagaggaatcagagctg 300

QY 429 GTGGGAACCAACAATCTCTCACTAGAGAGCAGAGAACTGGGAGATGGTGAAGCCCAAC 488
    |||||||
Db 301 gtgggaacacaataatctctactcgaagaagcagagaacttggagatgtgagcccaac 360

QY 489 AACAGAAGAACAGAGAGAGCTGCGTGGAGATCTATATCAGAGAAACAAGATGCAAGC 548
    |||||||
Db 361 aacaagaagaacaagagagactgctgtagatctatataagaagaacaagatgcaagc 420

QY 549 AATAGAGCATGAGCGCCGCAACAACCTAAGGCAAGCCCTGTGTACAGACTTCTTTC 608
    |||||||
Db 421 aaatgaaagatgagcgcctgcacaaacaaagcagccctgttacaacagactcttgc 480

QY 609 CAGCCCTGTCATGCAAGTGGCCATGAGAGATGTAGAAATCATCAATTAATCAACTTC 668
    |||||||
Db 481 cagccctgtcatgtcagtgagccatgagaaatgtgtagaataatcaataataaacctgc 540

QY 669 AACTGTGATGTGGGTACTAGTGGGCCCAAGTGTCAAGCTTGTATTCAGTGTGAGCCTTTG 728
    |||||||
Db 541 aactgtgatgtgggtactagtgtgagcccgagtgctcagttgtatcagtgtagccttgg 600

QY 729 GAGGGCCCAAGAGCTGGTCCATGAGTGTACTACCCCTTGGAAACTTCAGCTTCAGC 788
    |||||||
Db 601 gagggcccaagagctgggtacccaatgagacttaccaccttgggaaacttcagctcagc 660

QY 789 TCACAGTGTGCTTACGCTGCTCTGAGAGAACAACTTAATCTGAGTTGAGAGAACCAAC 848
    |||||||
Db 661 tcacagtgtgcttaccgctcgtcgtgaaggaacaacttaacagtgagttgaagaacaccac 720

QY 849 TGTGACCACTTTGAAACTGTGATCTCCAGAACCAACCTGTCAAGTGAATTCAGTGTGAG 908
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    |||||||
Db 721 tgtgaccatttggaaactgctcatctccagaaaccaacttcaagtgatcagtgtag 780

QY 909 COTTCATGAGCAACCGATTTTGGGGATTCATGAACTGTAGCAATCCCTGGCCAGCTTCAGC 968
    |||||||
Db 781 ccttcataagcaccagatttgggatacagctgtaagcattcccttcggcagcttcagc 840

QY 969 TTACCTCTGCATGTACTCTTCATCTGCTCAGAGGAAGTGAATTAATTGGAGAGAGAA 1028
    |||||||
Db 841 ttacctctgcatgtacctatctcgtccagagaaggaactggttaatttggagaagaaa 900

QY 1029 ACCATTGTGATCATCTGTGGAATCTGTGCAAAATCTTAATCAATATGTCAAAATTTGAC 1088
    |||||||
Db 901 accatttgaatcatctcggaaatctgtaaatctcagtaaatatgtcaaaaattggac 960

QY 1089 AAAAGTTCTCATGATTAAGAGAGGCTGATTATAACCCCTTTCATTCAGTGGCAGCTC 1148
    |||||||
Db 961 aaaagttctcatagtatlaaagaggtgattataaaccccccttcatcctcagtgccagtc 1020

QY 1149 ATGTTACTGCATTTCTGCGTTGGCATTTTATTCATTTGGCTGGCAAGAGATTAAAAAA 1208
    |||||||
Db 1021 atgttactgcattctctcgtgttgccatttatcatlttgctggcaagagattaaaaaa 1080

QY 1209 GGCAGAAATCCAGAGAAAGTATGATGATCAATCCATATTAA 1247
    |||||||
Db 1081 ggcagaataatccaagagaagtatgatagccatattaa 1119

RESULT 30
US-09-758-449-424
: Sequence 424, Application US/09/758449
: GENERAL INFORMATION:
: APPLICANT: Rosen et al.
: TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
: FILE REFERENCE: PM026
: CURRENT APPLICATION NUMBER: US/09/758,449
: PRIOR FILING DATE: 2001-01-11
: PRIOR APPLICATION NUMBER: 60/179,065
: PRIOR FILING DATE: 2000-01-31
: PRIOR APPLICATION NUMBER: 60/180,628
: PRIOR FILING DATE: 2000-02-04
: NUMBER OF SEQ ID NOS: 1478
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 424
: LENGTH: 1298
: TYPE: DNA
: ORGANISM: Homo sapiens
: US-09-758-449-424

Query Match          45.8%; Score 1035; DB 29; Length 1298;
Best Local Similarity 99.2%; Pred. No. 1e-281;
Matches 1049; Conservative 1; Mismatches 6; Indels 1; Gaps 1;

QY 25 AACTGACGACACGACACTCCCTTT-GGCAAGAGACTGAGACCCCTTGTGCTAAGTCAGA 83
    |||||||
Db 90 aactgacgacacgacactcccttggcaagagactgagacccttgtgctcaagtcaga 149

QY 84 GGCCTAATGGCTGAGAGAACTAGAGAGAGCAACAAGCCATGATATTTCCATAG 143
    |||||||
Db 150 ggcctaattggctgagagaaactagagaagagaccagaacaaagccatgatttccatag 209

QY 144 AATGTCAAGACACCAGAGGACTTATGAACATCTTCAAGTTGTGGGGTGCACAATG 203
    |||||||
Db 210 aatgtcaagacaccagaggaacttatgaaacatcttcaagttgtgggggtgacaatg 269

QY 204 CTCGTGTGATTTTCTTGGCAATATGAGACCTTCTGTGGACTTACCATTATTTCTGAA 263
    |||||||
Db 270 ctcgtgtgatTTTCTTGGCAATATGAGACCTTCTGTGGACTTACCATTATTTCTGAA 329

QY 264 AAACCATGAATCGCAAAAGGCGTAGAAGATTCTCCGAGACAATTTACAGATTAGTT 323
    |||||||
Db 330 aaaccatgaactcgcaaaaggcgtagaagatttctccgagacaatttacagatttagtt 389
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Query Match	45.8%;	Score 1035;	DB 30;	Length 1298;
Best Local Similarity	99.2%;	Pred. No. 1e-281;		
Matches 1049;	Conservative	1;	Mismatches 6;	Indels 1;
				Gaps 1.

QY	324	GCCATCAAAACAGGCGGAAATGAGTATCTGGAGAGACCTCTGCCCTTCAGTCTTCT	383
Db	390	gccaatacaaaagcggaaatctgagatctctgagagaagactctgcttccttcagctgttc	449
QY	384	TCTCTACTGGAAGAACAGAACTGGAGAAATATGGACGTCGGGGGGAACCAACAA	443
Db	450	tactaactggaatccggaagatagagaatagacgtcggtggtggaacaaacaa	509
QY	444	TCTCTACTGGAAGAACAGAACTGGAGAAATATGGACGTCGGGGGGAACCAACAA	503
Db	510	tctcttactgaagaagcagaaactggtgagatggtgagcccaacaaagaagaacaa	569
QY	504	GAGGACTGCGTGGAGATCTATATCAAGAGAAACAAAGTCAGGCAATATGAACGATGAC	563
Db	570	gaggaactgctggaatctctatcaagaagaaacaaatgcaagcaaatgaaacgatgac	629
QY	564	GCCTGCCAAACTAAAGCAGACCCCTCTGTATACAGACTCTTGGCCAGCCCTGGTCATGC	623
Db	630	gcctgcacaaactaaagcagccctctgttacaacagcttctgcagccctggtacatgc	689
QY	624	AGTGGCCATGGAAGATGTGTAGAAATCATCAATTAATCACACCTGCAACTGTGTATGGGG	683
Db	690	agtggccatggaatgltgtagaataatcaataatataccctgcacatgtgtgtgtgtgt	749
QY	684	TACTATGGGCCCCAGTGTACGCTGTGTGATTCAGTGTGAGCCTTTGGAGCCCCAGAGCTG	743
Db	750	tactatggtgccccaggtctcaagyltctgcatcagltgtgagcccttggagccccagagctg	809
QY	744	GGTACCATGAGATGTCTACACCCCTTGGAAACTTACAGCTTCAGCTCAGCTGAGTGGCTTC	803
Db	810	ggtaccatgagatgtctacaccccttggaaacttgaagaaacttcaagcttcaagctgtgtccttc	869
QY	804	AGCTGCTGGAAGAACAACTTAAGTGGGATTTGAAGAAACCAACCTGTGGACCATTTTGA	863
Db	870	agctgctcgaagaaacaaacttaactggtatgtgaagaaacacccctgtgacacattgtga	929
QY	864	AACGTGTCATCTCCAGAACCAACCTGTCAAGTATTCAGTGTGAGCCTCTATACAGACCA	923
Db	930	aactgtgtcctcccaaaccaactgtcaagtgtatcagltgtgagccctctatacagaacca	989
QY	924	GATTTGGGATCATGAACTGTAGCCATCCCTGGCCAGCTTACGTTTACCTCTGCATGT	983
Db	990	gatttgggatacatgaaactgtagccatccctgtgcccagcttcaagcttaccctctcatgt	1049
QY	984	ACCTTCATCTGCTCAGAGAGAACTGAGTTAATTTGGAGAGAGAAACCATTTGTGATCA	1043
Db	1050	accttcattctgtcgaagaagaaactgatttaattgtggaagaagaacacatttgtaatca	1109
QY	1044	TCTGGAATCTGGTCAAAATCTAGTCCAAATATGTCAAA	1080
Db	1110	tctggaatctggtcaaatcctctagtcataatgtcaaa	1146
RESULT 31			
US-09-760-443-575			
: Sequence 575, Application US/09760443			
: GENERAL INFORMATION:			
: APPLICANT: Rosen et al.			
: TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies			
: FILE REFERENCE: P1212			
: CURRENT APPLICATION NUMBER: US/09/760,443			
: PRIORITY FILING DATE: 2001-01-16			
: Prior application data removed - refer to PAM or file wrapper			
: NUMBER OF SEQ ID NOS: 2164			
: SOFTWARE: PatentIn Ver. 2.0			
: SEQ ID NO 575			
: LENGTH: 1298			
: TYPE: DNA			
: ORGANISM: Homo sapiens			
US-09-760-443-575			

QY	25	ACCTGAGCAGACGACACTCCCTT-GGCAAGAGACCTGACACCCCTTGTGCAATGTCAGA	83
Db	90	acctgagcagacagcacactcccttctgtgcaagagactgtgaccccttctgcaagtcaga	149
QY	84	GGCTCAATGGGCTCAGAGAACTAGAGAGAGAGCAAGCAAGCAAGCATATTTTCATAGG	143
Db	150	ggctcaatggtctgcagaaagacataggaaggtacaaagcaaaagcatatattccatg	209
QY	144	AAATGTACAGACACCCAGAGGACTTATGGAACATCTTCAAGTTGTGGGCTGCAATG	203
Db	210	aaatgtacagacacccagaggaacttatgaaacatctcaaggtgtgtgtgtgtgtgtgt	269
QY	204	CTCTGTGTGATTTCCGCGCATCATGGAACCTACGTCGTGACTTACATTAATTTCTAA	263
Db	270	ctctgtgtgatttccgtgcacatcagaaacagacgtctgtgacttaccatattctgtga	329
QY	264	AAACCCATGAACTGGCAAGGCGTAGAAGATTTCCGAGACAAATTCACAGATTAATGTT	323
Db	330	aaacccatgaaactgtgcaaaaggtcagaagatcttcgcagagcaattacaagattagct	389
QY	324	GCCATACAAAACAAAGCGGGAATTGATATGTGAGAAAGACTTGCCCTTACGTCTTCT	383
Db	390	gccatataaaacaaagcgtgaatgtatctgtgagaagactctgcttcaagctgtct	449
QY	384	TACTACTGATAGGAATCCGGAATATGAGAGATATGAGAGTGTGGTGGGAGCAACAA	443
Db	450	tactactgatatgaatccggaatattggaagaatagtgaacgtgtgtgtgtgtgtgtgt	509
QY	444	TCTCTACTGGAAGAACAGAACTGGAGAAATATGGACGTCGGGGGGAACCAACAA	503
Db	510	tctcttactgaagaagcagaaactggtgagatggtgagcccaacaaagaagaacaa	569
QY	504	GAGGACTGCGTGGAGATCTATATCAAGAGAAACAAAGTCAGGCAATATGAACGATGAC	563
Db	570	gaggaactgctggaatctctatcaagaagaaacaaatgcaagcaaatgaaacgatgac	629
QY	564	GCCTGCCAAACTAAAGCAGACCCCTCTGTATACAGACTCTTGGCCAGCCCTGGTCATGC	623
Db	630	gcctgcacaaactaaagcagccctctgttacaacagcttctgcagccctggtacatgc	689
QY	624	AGTGGCCATGGAAGATGTGTAGAAATCATCAATTAATCACACCTGCAACTGTGTATGGGG	683
Db	690	agtggccatggaatgltgtagaataatcaataatataccctgcacatgtgtgtgtgtgt	749
QY	684	TACTATGGGCCCCAGTGTACGCTGTGTGATTCAGTGTGAGCCTTTGGAGCCCCAGAGCTG	743
Db	750	tactatggtgccccaggtctcaagyltctgcatcagltgtgagcccttggagccccagagctg	809
QY	744	GGTACCATGAGATGTCTACACCCCTTGGAAACTTACAGCTTCAGCTCAGCTGAGTGGCTTC	803
Db	810	ggtaccatgagatgtctacaccccttggaaacttgaagaaacttcaagcttcaagctgtgtccttc	869
QY	804	AGCTGCTGGAAGAACAACTTAAGTGGGATTTGAAGAAACCAACCTGTGGACCATTTTGA	863
Db	870	agctgctcgaagaaacaaacttaactggtatgtgaagaaacacccctgtgacacattgtga	929
QY	864	AACGTGTCATCTCCAGAACCAACCTGTCAAGTATTCAGTGTGAGCCTCTATACAGACCA	923
Db	930	aactgtgtcctcccaaaccaactgtcaagtgtatcagltgtgagccctctatacagaacca	989
QY	924	GATTTGGGATCATGAACTGTAGCCATCCCTGGCCAGCTTACGTTTACCTCTGCATGT	983
Db	990	gatttgggatacatgaaactgtagccatccctgtgcccagcttcaagcttaccctctcatgt	1049
QY	984	ACCTTCATCTGCTCAGAGAGAACTGAGTTAATTTGGAGAGAGAAACCATTTGTGATCA	1043
Db	1050	accttcattctgtcgaagaagaaactgatttaattgtggaagaagaacacatttgtaatca	1109
QY	10		

Db 1110 tcttggaatctggtcaaatctcagtaagcaatataatgcaaa 1146

|||||

RESULT 32

US-60-212-659-816

; Sequence 816, Application US/60212659

; GENERAL INFORMATION:

; APPLICANT: Beasley, Ellen

; TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,

; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND

; TITLE OF INVENTION: USES THEREOF

; FILE REFERENCE: C100674

; CURRENT APPLICATION NUMBER: US/60/212,659

; CURRENT FILING DATE: 2000-06-19

; NUMBER OF SEQ ID NOS: 879

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO: 816

; LENGTH: 3238

; TYPE: DNA

; ORGANISM: HUMAN

US-60-212-659-816

Query Match 44.6%; Score 1006.4; DB 60; Length 3238;

Best Local Similarity 98.9%; Pred. No. 2.3e-273;

Matches 1013; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 213 GATTTCCTGGCAGCATCATGAGAACTTACTGCTGGAGCTTACCATTTATCTGAAAACCCATG 272

|||||

Db 1832 gatttcctgscatcatatgaaacgactgctggaacttaccatattctgaaaaacccatg 1891

QY 273 AACTGGCAAGGGCTGAGGATTCGCCGAGACATTTACACATTTAGTTGGCATACAA 332

|||||

Db 1892 aactggcaaggctagaagatctgcgagacaattacacagattagttgcatacaa 1951

QY 333 AACCAAGCGGAATTTAGTATCTGAGAGACTCTGCCCTTCAGTCTTCTACTACTG 392

|||||

Db 1952 aacaagcggaatttagatctcggagaagaccttcctttagtctgcttactactg 2011

QY 393 ATAGGAATCCGAGATTTAGAGGAAATATGACCTGGGTGGAAACAATAATCTCAGT 452

|||||

Db 2012 ataggaatccggaagatagaagaaatattgacgttggtggaaccaaatcttact 2071

QY 453 GAAGAAGCAGAGAACTGGGAGATGGTGGACCCCAACAAGAAGAACAAGAGAGACTGC 512

|||||

Db 2072 gaagaagcagagaaactggggagatggtgagcccaacaagaagaacaaggagactgc 2131

QY 513 GTGAGATCTATATCAAGAAACAAGATGCAAGCAATGAAAGATGAGCGCTGCAC 572

|||||

Db 2132 gtgagatctatatcaagaagaacaagatgcaagcaaatgaaagcgtgcctgcac 2191

QY 573 AAACCTAAAGGACGCTCTGTGTACACAGCTTCTTCCAGCCCTGGTTCATCATGGCAT 632

|||||

Db 2192 aaactaaagcagccctctgttacacagcttctgcagccctgtaatgcaatgagcat 2251

QY 633 GGAGATGTGTACAATAATCAATTAATACACACTGCAACTGTATGTGGGTCTATAGG 692

|||||

Db 2252 ggaagatggttaagaataatcaataataacctgcaactgtaatggtgtactatggt 2311

QY 693 CCCAGTGTACGCTTGTGATTCAGTGTGAGCTTTTGGAGGCCCCAGAGCTGGGTACCATG 752

|||||

Db 2312 cccagtgctcagcttgatgctcagtgagccttggaagccccaagcgctgggttaccatg 2371

QY 753 GACTGACTACGCCCTTTGGAACCTCAGCTTACAGTTCACAGTGTGCTTACAGTGTCT 812

|||||

Db 2372 gactgactacgcccttggaactcagcttcagctcacaagtggtccttcagctgctc 2431

QY 813 GAAGACAACAATTAATCGGATTTGAAGAAACCACTGTGAGCAATTTGGAACCTGTCA 872

|||||

Db 2432 gaagacaacaacttaactggtatggaagaacaacctggtaccatttgaaactgttca 2491

QY 873 TCTCCAGAACCAACTCTGCTCAAGTGATTCAGTGTGAGCTCTATTCAGCACCAAGATTGGG 932

Db 2492 tctccagaaccaacctgtaagtgtatcagtgtagccctctatcagcaccagattg999 2551

|||||

QY 933 ATCATGAATGTAGCCATCCCTGGCCAGCTTCAGCTTACTCTGCAATGATACCTTACATC 992

|||||

Db 2552 atcatgaatgtagccatcccttggccagcttcagcttactctgcatgataccttcaac 2611

QY 993 TGCTCAGAGGAACCTAGTTAATTTGGAGAGAAACCAATTTGGAATCATCTGGAATC 1052

|||||

Db 2612 tgcctcagaagaaactgtaatttgggaagaagaacaacatttggaaatcatctggaatc 2671

QY 1053 TGCTCAATCTAGTCCAAATATGTCAAAAATTGGACAAAAGTTTCTCAATTAAGAG 1112

|||||

Db 2672 tgcctcagaatctagctcacaatgtaacaaatggaacaaatgcttcaatgataagag 2731

QY 1113 GGTGATTAATACCCCTCTTTCATTTCCAGTGGCAGTATGTTACTGTCATCTCTGGTGTG 1172

|||||

Db 2732 ggtgattataaccccccttctcattccagtggagatgtaagttacgtacatctctggttg 2791

QY 1173 GCATTTATCATTTGGCTGGCAGAGATTAATAAAGCCAGCAAAATCCAAAGAAATATG 1232

|||||

Db 2792 gcatattatatttgcctggcaggaagattataaaaaagcaagaataatccagaagag999 2851

QY 1233 AATG 1236

||

Db 2852 ggtg 2855

RESULT 33

US-09-543-679A-2480/C

; Sequence 2480, Application US/09543679A

; GENERAL INFORMATION:

; APPLICANT: NYCE, Jonathan W.

; TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,

; TITLE OF INVENTION: COMPOSITIONS, KIT & METHOD FOR TREATMENT

; TITLE OF INVENTION: OF AIRWAY DISORDERS ASSOCIATED WITH

; TITLE OF INVENTION: BRONCHOCONSTRICION, LUNG INFLAMMATION,

; NUMBER OF SEQUENCES: 3111

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

; STREET: 7 Clarke Drive

; CITY: Cranbury

; STATE: NJ

; COUNTRY: USA

; ZIP: 08512

; COMPUTER READABLE FORM:

; MEDIUM TYPE: CD-R

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: N/A

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/543,679A

; FILING DATE: 13-Apr-2000

; CLASSIFICATION: UNKNOWN

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/127,958

; FILING DATE: 1998-08-03

; ATTORNEY/AGENT INFORMATION:

; NAME: Amzel, Viviana

; REGISTRATION NUMBER: 30,930

; REFERENCE/DOCKET NUMBER: EPI-0067191b

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 609-409-3035

; TELEFAX: 413-254-9245

; TELEX: <Unknown>

; INFORMATION FOR SEQ ID NO: 2480:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 141589 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; SEQUENCE DESCRIPTION: SEQ ID NO: 2480:

US-09-543-679A-2480

Db 19770 TGGCTGACCTTCACACCTAGCATCTCATGATGCCAACGAAAGAGAGAGAAAT 19711
Qy 1945 AGCCGACGGGTTTTAGTTGGGGGTTTGGCTTCTCTTTATGAGACCATTCCTA 2004
Db 19710 AGCCTGCGCTTTTATTTAGTTGGGGGTTTGGCTTCTCTTTATGAGACCATTCCTA 19651
Qy 2005 TTTCTTATAGTCAATGTTTCTTTATATCAGATATTATTATAGTAAACATCATGAAAT 2064
Db 19650 TTTCTTATAGTCAATGTTTCTTTATATCAGATATTATTATAGTAAACATCATGAAAT 19591
Qy 2065 GCTAGCTGCAAGTGCATCTCTTTGATGTCATATGGAAGAGTTAAACAGTGGAGAAAT 2124
Db 19590 GCTAGCTGCAAGTGCATCTCTTTGATGTCATATGGAAGAGTTAAACAGTGGAGAAAT 19531
Qy 2125 TCCCTGATTCACAAATGATGCTGCTTCCCTGCGCCGCGAGACTTTATCCACTAC 2184
Db 19530 TCCCTGATTCACAAATGATGCTGCTTCCCTGCGCCGCGAGACTTTATCCACTAC 19471
Qy 2185 CTAGATTCACATATCTCTTAAATTTTCATCTAGGCTCTCCGCAACCCAC 2235
Db 19470 CTAGATTCACATATCTCTTAAATTTTCATCTAGGCTCTCCGCAACCCAC 19420

RESULT 36
US-09-543-3009/c
Sequence 3009, Application US/09543679A
GENERAL INFORMATION:
APPLICANT: NYCE, Jonathan W.
TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,
COMPOSITIONS, KIT & METHOD FOR TREATMENT
OF AIRWAY DISORDERS ASSOCIATED WITH
BRONCHOCONSTRICION, LUNG INFLAMMATION,
NUMBER OF SEQUENCES: 3111
CORRESPONDENCE ADDRESS:
ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY: Cranbury
STATE: NJ
COUNTRY: USA
ZIP: 08512
COMPUTER READABLE FORM:
MEDIUM TYPE: CD-R
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: N/A
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/543, 679A
FILING DATE: 13-Apr-2000
CLASSIFICATION: UNKNOWN
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/127, 958
FILING DATE: 1998-08-03
ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-0067191b
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
TELEX: <unknown>
INFORMATION FOR SEQ ID NO: 3009:
SEQUENCE CHARACTERISTICS:
LENGTH: 146982 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 3009:
US-09-543-679A-3009

Query Match 42.9%, Score 970.2, DB 21, Length 146982;
Best Local Similarity 99.4%, Pred. No. 3.9e-262;
Matches 1005, Conservative 0, Mismatches 3, Indels 3, Gaps 3;

Qy 1227 AGTATGAATGACCCATATTAAATCGCCCTGGTGAAGAAATTTCTGGAATCTTAATAA 1286
Db 24512 AGTATGAATGACCCATATTAAATCGCCCTGGTGAAGAAATTTCTGGAATCTTAATAA 24453
Qy 1287 TCATGAGATCTTTAAATCTCTTCATGAAACGTTTTGTGTGGACCTCTACGTCAA 1346
Db 24452 TCATGAGATCTTTAAATCTCTTCATGAAACGTTTTGTGTGGACCTCTACGTCAA 24393
Qy 1347 ACATGAAGTGG-TTCCCTGATGATCGGGAATATTTCTACCCGACCAAGTTCCTT 1405
Db 24392 ACATGAAGTGGTTTCTCTGATGATCGGGAATATTTCTACCCGACCAAGTTCCTT 24333
Qy 1406 CAGCTTCATTTGCGCCCTCATTTATCCCTCAACCCGAGCCGACAGGTTTATACAGC 1465
Db 24332 CAGCTTCATTTGCGCCCTCATTTATCCCTCAACCCGAGCCGACAGGTTTATACAGC 24273
Qy 1466 TCAGCTTTTGTCTTTCTTGAGGAGAAACAAATTAAGCCAT-AAAGGAAAGGATTCAGT 1524
Db 24272 TCAGCTTTTGTCTTTCTTGAGGAGAAACAAATTAAGCCAT-AAAGGAAAGGATTCAGT 24213
Qy 1525 GGAATATTAAGATGGCTGACTTGTCTTTCTTGACTCTGTTTCAGTTTCAATTCAGT 1584
Db 24212 GGAATATTAAGATGGCTGACTTGTCTTTCTTGACTCTGTTTCAGTTTCAATTCAGT 24153
Qy 1585 GCTGTACTGATGACAGACACTTCTAAATGAAGTCAATTTGATACATATGTGAATATG 1644
Db 24152 GCTGTACTGATGACAGACACTTCTAAATGAAGTCAATTTGATACATATGTGAATATG 24093
Qy 1645 GACTCAGTTTCTTGCAGATCAATTTACGTCGTCCTCTGTATACGTGTGAGGTACACT 1704
Db 24092 GACTCAGTTTCTTGCAGATCAATTTACGTCGTCCTCTGTATACGTGTGAGGTACACT 24033
Qy 1705 CTTATAGAAAGTCAAAAAGTCTACGCTCTCTTTCTTCTTACCTCAGTGAAGTAATGG 1764
Db 24032 CTTATAGAAAGTCAAAAAGTCTACGCTCTCTTTCTTCTTACCTCAGTGAAGTAATGG 23973
Qy 1765 GGTCTGCTCAAGTTGAAAGAGTCTCAATTTGACAGTGAAGCTCGGCGTCTGGAATTTGA 1824
Db 23972 GGTCTGCTCAAGTTGAAAGAGTCTCAATTTGACAGTGAAGCTCGGCGTCTGGAATTTGA 23913
Qy 1825 CCATCCTATTTAAGTGGCTTCA-GCCTCCGACCTTCTTACGCCACCTCTTTTTCAGT 1884
Db 23912 CCATCCTATTTAAGTGGCTTCA-GCCTCCGACCTTCTTACGCCACCTCTTTTTCAGT 23854
Qy 1885 TGGCTGACTTCCACACCTTAGCATCTCATGATGAGGCCAAGGAAAGAGAGAGAGAAAT 1944
Db 23853 TGGCTGACTTCCACACCTTAGCATCTCATGATGAGGCCAAGGAAAGAGAGAGAGAAAT 23794
Qy 1945 AGCCTGCGGGTTTTTATGTTGGGGGTTTGTCTGTTTCTTTTATGAGACCATTCCTA 2004
Db 23793 AGCCTGCGGGTTTTTATGTTGGGGGTTTGTCTGTTTCTTTTATGAGACCATTCCTA 23734
Qy 2005 TTTCTTATAGTCAATGTTTCTTTATCAGATATTATTATAGTAAACATCATGAAAT 2064
Db 23733 TTTCTTATAGTCAATGTTTCTTTATCAGATATTATTATAGTAAACATCATGAAAT 23674
Qy 2065 GCTAGCTGCAAGTGCATCTCTTTGATGTCATATGGAAGAGTTAAACAGTGGAGAAAT 2124
Db 23673 GCTAGCTGCAAGTGCATCTCTTTGATGTCATATGGAAGAGTTAAACAGTGGAGAAAT 23614
Qy 2125 TCCCTGATTCACAAATGATGCTGCTTCCCTGCGCCGCGAGACTTTATCCACTAC 2184
Db 23613 TCCCTGATTCACAAATGATGCTGCTTCCCTGCGCCGCGAGACTTTATCCACTAC 23554
Qy 2185 CTAGATTCACATATCTCTTAAATTTTCATCTAGGCTCTCCGCAACCCAC 2235
Db 23553 CTAGATTCACATATCTCTTAAATTTTCATCTAGGCTCTCCGCAACCCAC 23503

RESULT 37
PCT-US01-26675-1
Sequence 1, Application PCT/US0126675

QY 2065 GCTAGCTGACAGTACATCTCTTGGATGTCATATGAGAAAGTAAACAGGTGAGAAAT 2124
 |||||||
 Db 2460 gctagctgcaagtgacatctcttcttgatcatalggaagtgtaaacagtggaat 24559
 QY 2125 TCCATTGATCAAGTAAGAAATGCTCTCTTCCCTGCCCCAGAACTTTATACACTTAC 2184
 |||||||
 Db 24660 tcccttgatcacaatgaaatgctctcttccctgccccagaccccttatacactaac 24719
 QY 2185 CTAGATCTACATATCTTTAAATTTATCATCTCAGAGCTCCCTCAACCCAC 2235
 |||||||
 Db 24720 ctatgattacatatcttcttaattcatctcagcctccctcaacccac 24770

RESULT 38
 US-09-997-722-136
 ; Sequence 136, Application US/09997722
 ; GENERAL INFORMATION:
 ; APPLICANT: Morris, David
 ; APPLICANT: Engelhard, Eric
 ; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
 ; FILE REFERENCE: A-71171/RMS/DCP
 ; CURRENT APPLICATION NUMBER: US/09/997,722
 ; CURRENT FILING DATE: 2001-11-30
 ; PRIOR APPLICATION NUMBER: US 09/747,377
 ; PRIOR FILING DATE: 2000-12-22
 ; PRIOR APPLICATION NUMBER: US 09/798,586
 ; PRIOR FILING DATE: 2001-03-02
 ; NUMBER OF SEQ ID NOS: 301
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 136
 ; LENGTH: 40955
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-997-722-136

Query Match 42.9%; Score 968.6; DB 36; Length 40955;
 Best Local Similarity 99.3%; Pred. No. 5.3e-262;
 Matches 1004; Conservative 0; Mismatches 4; Indels 3; Gaps 3;

QY 1227 AGTATGATGACCCCATATTAATGCGCCCTTGTAAGAAATAATCTTGAATATAAAA 1286
 |||||||
 Db 29818 agtatgatacaccatataaatacgccttggaagaataatcttgataactaaaa 29877
 QY 1287 TCATGAGATCCTTTAAATCCCTTCATGAAAGCTTTGTGTGGACCTCTCAAGTCAA 1346
 |||||||
 Db 29878 tcatgagatcccttaaaatcccttcataaagcgttctgtgtgacccctcctcaaa 29937
 QY 1347 ACATGAGATGAG-TTCCCTGAGTGCATCTGGAGATTTCTACCCGACCAAGTCTCTT 1405
 |||||||
 Db 29938 acatgagatgttgttcttccatcagtcacgtggaagatcttaccctgacacagtcctc 29997
 QY 1406 CAGCTTCCATTTGCGCCCTCATTTATCCCTCAACCCGACCCAGCTGTTTATACAGC 1465
 |||||||
 Db 29998 cagcttccatttgcctccatattatccctcaacccccagccacagcttcttatacagc 30057
 QY 1466 TCAGCTTTTGTCTTTTCTGAGGAGAAACAATTAAGACAT-AAGGGAAGGATTCATGT 1524
 |||||||
 Db 30058 tcagcttttgtcttcttctgaggaacaataagacaaaggaagagatctatgt 30117
 QY 1525 GGAATATTAAGATGAGTGCATCTTCTCTTCTGACTCTGTGTTTTCAGTTTCAATTCAGT 1584
 |||||||
 Db 30118 ggaatataaagatgagctgacttgccttcttccctgacctgttcttcaagttcaatcagtc 30177
 QY 1585 GCTGTACTTATGACAGACACTTCTTAATGAATGAAGTGAATTTGATACATATGTAATATG 1644
 |||||||
 Db 30178 gctgtacttattgacagacacttcttaaatgaagtgcaaatattgtatataatgtatgt 30237
 QY 1645 GACTCAATTTTCTTGACGATCAAAATTTGAGTGTCTTTGTATACGTGGAGGTACACT 1704
 |||||||
 Db 30238 gactcaatttcttctgacagataaaatctcaagtcgttcttctgatacgttgaaggtacact 30297
 QY 1705 CTATATGAAGATTCAAAAAGTCTACGCTCTCTCTTCTTCTTAACCTCAGTGAATATATGG 1764

Db 30298 ctatagaagaatcaaaaagctacgctctcttcttcttcttaactccagtgaaatgtg 30357
 QY 1765 GGTCTGCTCAAGTTGAAAGATGCTCTATTGTCAGTATAGCCCTGCTGTGAATTTGA 1824
 |||||||
 Db 30358 ggtcctgctcaagtgaaaggtctctatttgcactgttagcctgcgtctgtgaattcga 30417
 QY 1825 CCATCTATTTAACTGGCTTCAGGCTCCGCCACTTCTTCAGCCACCTCTCTTTTTCAGT 1884
 |||||||
 Db 30418 ccattccatttaacttggttca-gctcccccactcttcaagccactcttcttcaagt 30476
 QY 1885 TGCGTGAATTCACACCTAGCATCTCATGAGTGGCAAGCAAAAGAGAGAGAAAT 1944
 |||||||
 Db 30477 tgcgtgacttccacacttagatctcatgtgtgcaagcaaaaggaagagagaat 30536
 QY 1945 AGCCTGCGGGTTTTAGTTTGGGGTTTTGCTTCTCTTTTATGAGACCATTCCTA 2004
 |||||||
 Db 30537 agcctgcgctgtttttagtltgtgggttctgtctgttcccttcatgagaccacttcta 30596
 QY 2005 TTCTTATATGATCATGTTTCTTTATACGATATTATTATGTAAGAAACATCATGAAAT 2064
 |||||||
 Db 30597 ttctttagtcaatgttcttcttatacagatattatagtaagaataacatcatgaaat 30656
 QY 2065 GCTAGCTGCAAGTACATCTCTTGGATGTCATATGAGAAAGTAAACAGGTGAGAAAT 2124
 |||||||
 Db 30657 gctagctgcaagtgacatctcttcttgatcatalggaagtgtaaacagtggaat 30716
 QY 2125 TCCATTGATCAAGTAAGAAATGCTCTCTTCCCTGCCCCAGAACTTTATACACTTAC 2184
 |||||||
 Db 30717 tcccttgatcacaatgaaatgctctcttcccttccctgccccagaccccttatacactaac 30776
 QY 2185 CTAGATCTACATATCTTTAAATTTATCATCTCAGAGCTCCCTCAACCCAC 2235
 |||||||
 Db 30777 ctatgattacatatcttcttaattcatctcagcctccctcaacccac 30827

RESULT 39
 US-60-212-659-230/C
 ; Sequence 230, Application US/60212659
 ; GENERAL INFORMATION:
 ; APPLICANT: Beasley, Ellen
 ; TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,
 ; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND
 ; FILE REFERENCE: CL000674
 ; CURRENT APPLICATION NUMBER: US/60/212,659
 ; CURRENT FILING DATE: 2000-06-19
 ; NUMBER OF SEQ ID NOS: 879
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 230
 ; LENGTH: 32336
 ; TYPE: DNA
 ; ORGANISM: HUMAN
 US-60-212-659-230

Query Match 42.5%; Score 959.2; DB 60; Length 32336;
 Best Local Similarity 99.3%; Pred. No. 2.1e-259;
 Matches 1005; Conservative 0; Mismatches 3; Indels 4; Gaps 4;

QY 1227 AGTATGATGACCCCATATTAATGCGCCCTTGTAAGAAATAATCTTGAATATAAAA 1286
 |||||||
 Db 20864 AGTATGATGACCCCATATTAATGCGCCCTTGTAAGAAATAATCTTGAATATAAAA 20805
 QY 1287 TCATGAGATCCTTTAAATCCCTTCATGAAAGCTTTGTGTGGACCT-CTTACGTCA 1345
 |||||||
 Db 20804 TCATGAGATCCTTTAAATCCCTTCATGAAAGCTTTGTGTGGACCTCCCTACGTCA 20745
 QY 1346 AACATGAAGTGTG-TTCCCTTCAAGTGCATCTGGGAGAAATTTCTACCCGACCAACAGTTCT 1404
 |||||||
 Db 20744 AACATGAAGTGTGTTTCTTCAAGTGCATCTGGGAGAAATTTCTACCCGACCAACAGTTCT 20685
 QY 1405 TCAGCTTCAATTTGCGCCCTCATTTATCCCTCAACCCGACCCACAGAGTGTATATACAG 1464

Dp	20684	TCAGCTTCCATTTCGGCCCGCCCATTTATCCCTCAACCCCGCCACAGGCTCTTATATACAG	20625
Qy	1465	CTCAGCTTTTTTGTCTTTTCTGAGAGAAACAAATTAAGCCAT_AAGGAAAGATTTCATG	1523
Dp	20624	CTCAGCTTTTTTGTCTTTCTGAGAGAAACAAATTAAGCCATTAAGGAAAGATTTCATG	20565
Qy	1524	TGGAATATTAAGATGGCTGACTTGTGCTCTTTCTTGACTCTGTGTTTTCAGTTCAATTACAG	1583
Dp	20564	TGGAATATTAAGATGGCTGACTTGTGCTCTTTCTTGACTCTGTGTTTTCAGTTCAATTACAG	20505
Qy	1584	TGCTGACTTGAATGAGACACACTTCTAAATGAAGTGCAAAATTTGATTCATATGGAATAT	1643
Dp	20504	TGCTGACTTGAATGAGACACACTTCTAAATGAAGTGCAAAATTTGATTCATATGGAATAT	20445
Qy	1644	GGACTCAGTTTTCTTCGACATCAAAATTTCAAGTCGTCTTCTGTATACTGTGAGAGTACAC	1703
Dp	20444	GGACTCAGTTTTCTTCGACATCAAAATTTCAAGTCGTCTTCTGTATACTGTGAGAGTACAC	20385
Qy	1704	TCTTATAGAAAGTCAAAAAAGTCACGCTCTCTCTTCTTCTTAAGTCACAGTGAATATG	1763
Dp	20384	TCTTATAGAAAGTCAAAAAAGTCACGCTCTCTCTTCTTCTTAAGTCACAGTGAATATG	20325
Qy	1764	GGGTCTCTGCTCAAGTTGAAGAAGTCTCTATTGTGACGTGACCTCGCGCTGTGAATTGG	1823
Dp	20324	GGGTCTCTGCTCAAGTTGAAGAAGTCTCTATTGTGACGTGACCTCGCGCTGTGAATTGG	20265
Qy	1824	ACCATCCCTTTTAACTGGGCTTCAGGCGCTCCGCCACTCTCTTCACACACCTCTGTTTTTCAAG	1883
Dp	20264	ACCATCCCTTTTAACTGGGCTTCAGGCGCTCCGCCACTCTCTTCACACACCTCTGTTTTTCAAG	20206
Qy	1884	TTGGCTGACCTCCACACCTAGCATCTCATAGATGCGCCAAAGCAAAAGAGAGAAAGAGAAA	1943
Dp	20205	TTGGCTGACCTCCACACCTAGCATCTCATAGATGCGCCAAAGCAAAAGAGAGAAAGAGAAA	20146
Qy	1944	TAGCCTGGCGGTTTTTTAGATTGGGGGTTTTTGCTGTTTCTTTTATGAGACCCATTCTT	2003
Dp	20145	TAGCCTGGCGGTTTTTTAGATTGGGGGTTTTTGCTGTTTCTTTTATGAGACCCATTCTT	20086
Qy	2004	ATTCTCTTAAGCAGATGGTCTCTTTTATCACGATATTAATAGTAAGAAACATCAGTGAAA	2063
Dp	20085	ATTCTCTTAAGCAGATGGTCTCTTTTATCACGATATTAATAGTAAGAAACATCAGTGAAA	20026
Qy	2064	TGCTAAGCTCAAGTACACATCTCTTTGATGTCAATATGAGAGATTAAACAGGTGGAGAAA	2123
Dp	20025	TGCTAAGCTCAAGTACACATCTCTTTGATGTCAATATGAGAGATTAAACAGGTGGAGAAA	19966
Qy	2124	TTTCTTGAATTCACAATGAATGCTCTCTTTCCCGCGCCCGCCAGAACTTTTATCCACTTA	2183
Dp	19965	TTTCTTGAATTCACAATGAATGCTCTCTTTCCCGCGCCCGCCAGAACTTTTATCCACTTA	19906
Qy	2184	CTTAGATCTTCAATATTTCTTTAAATTTTCAATGTCAGAGGCTCCCTCAACCCCGAC	2235
Dp	19905	CTTAGATCTTCAATATTTCTTTAAATTTTCAATGTCAGAGGCTCCCTCAACCCCGAC	19854

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RESULT 40
US-60-230-435-754/c
? Sequence 754, Application US/60230435
?
? GENERAL INFORMATION:
? APPLICANT: Beasley, Ellen
? TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,
? TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND
? TITLE OF INVENTION: USES THEREOF
? FILE REFERENCE: CL000768
? CURRENT APPLICATION NUMBER: US/60/230,435
? CURRENT FILING DATE: 2000-09-06
? NUMBER OF SEQ ID NOS: 2991
? SOFTWARE: FastSeq for Windows Version 4.0
? SEQ ID NO 754
? LENGTH: 32386
? TYPE: DNA
? ORGANISM: HUMAN

```

US-60-230-435-754

Query Match	42.5%;	Score 959.2;	DB 62;	Length 32386;
Best Local Similarity	99.3%;	Pred. No. 2.1e-259;		
Matches 1005;	Conservative	0;	Mismatches 3;	Indels 4;
				Gaps 4;

QY	1227	AGTGTGATACACCAATATTAATAATCGCCCTTGGTGTGAAGAAAATTCCTGGAAATACTAAAA	1286
Dp	20914	AGTATGAAATGACCCATATTAATAATCGCCCTTGGTGTGAAGAAAATTCCTGGAAATACTAAAA	20855
OY	1287	TCAGAGAAATCCCTTAAATCCCTCCATGAAACGTTTTGTGTGGTGACACT - CCTAGCTCA	1345
Dp	20854	TCATGAAATCCCTTAAATCCCTCCATGAAACGTTTTGTGTGGTGACACTCCCTAGCTCA	20795
OY	1346	AACATGAAGTGTG - TTCCTCTCAGTGCATCTGGAGATTTCTACCCAGCAACAGTTCCT	1404
Dp	20794	AACATGAAGTGTCTTCCTTCACAGTGCATCTGGAGATTTCTACCTACCCAGCAACAGTTCCT	20735
OY	1405	TCACCTTCACATTTGSCCCCTCATTTATCCCTCACACCCACCCACAGAGTGTTTATACAG	1464
Dp	20734	TCACCTTCACATTTGSCCCCTCATTTATCCCTCACACCCACCCACAGAGTGTTTATACAG	20615
OY	1465	CTACGCTTTTGTCTTTCTTGAGGAGAAAACAAATAGACCAAT - AAGGAAAAGATTCAG	1523
Dp	20674	CTACGCTTTTGTCTTTCTTGAGGAGAAAACAAATAGACCAATAGAGGAAAAGATTCAG	20615
OY	1524	TGCAATTTAAGATGCGCTACATTTCTCTCTCTTCTTGACATCTTGTTTACATTTGATCAATTCAG	1583
Dp	20614	TGCAATTTAAGATGCGCTACATTTCTCTCTCTTCTTGACATCTTGTTTACATTTGATTCAG	20555
OY	1584	TGCTGTACTTGATGACAGACACTTCTAAATGAGTGCAAATTTGATACATATGTGAATAT	1643
Dp	20554	TGCTGTACTTGATGACAGACACTTCTAAATGAGTGCAAATTTGATACATATGTGAATAT	20495
OY	1644	GGACTAGTTTTCTTCCAAATTAATTTACGTGCTCTCTGTATTTACTGTGAGGAGTACAC	1703
Dp	20494	GGACTAGTTTTCTTCCAAATTAATTTACGTGCTCTCTGTATTTACTGTGAGGAGTACAC	20435
OY	1704	TCTTATAGAAAGTCCAAAAGTCTACGCTCTCTCTTCTTCTTAATCTCACTGAGTGAAGTAAAG	1763
Dp	20434	TCTTATAGAAAGTCCAAAAGTCTACGCTCTCTCTTCTTCTTAATCTCACTGAGTGAAGTAAAG	20375
OY	1764	GGGTCTCTGCTCAAGTTGAAAGAGTCTTATTTGCACGTGAGCTGCGGTGTGTGAATTGG	1823
Dp	20374	GGGTCTCTGCTCAAGTTGAAAGAGTCTTATTTGCACGTGAGCTGCGGTGTGTGAATTGG	20315
OY	1824	ACCATCCATTTTAACTGGGTCAGGCGTCCACACACTTCTTACGACACCTCTCTTTTCAG	1883
Dp	20314	ACCATCCATTTTAACTGGGTCAGGCGTCCACACACTTCTTACGACACCTCTCTTTTCAG	20256
OY	1884	TTGSGCTACTTCCACACCTAGCATCTCATGAGTGCACAAAGAGAGAGAGAGAGAA	1943
Dp	20255	TTGSGCTACTTCCACACCTAGCATCTCATGAGTGCACAAAGAGAGAGAGAGAGAA	20196
OY	1944	TACCCGCGCCGGTTTTTATGTTTGGGGGTTTTGCTGTTTCTTTATAGAACCACTTCCT	2003
Dp	20195	TACCCGCGCCGTGTTTTTATGTTTGGGGGTTTTGCTGTTTCTTTATAGAACCACTTCCT	20136
OY	2004	ATTTCTTTATAGTCAATGTTTCTTTTATACAGATATTTATAGTAAAGAAACATCATCTGAAA	2063
Dp	20135	ATTTCTTTATAGTCAATGTTTCTTTTATACAGATATTTATAGTAAAGAAACATCATCTGAAA	20076
OY	2064	TGCTAGCTCAAGTACATCTCTTTGATGTCAATGGAAGAGTTTAAACACAGTGTGAGAAA	2123
Dp	20075	TGCTAGCTCAAGTACATCTCTTTGATGTCAATGGAAGAGTTTAAACACAGTGTGAGAAA	20016
OY	2124	TTTCTTGATTCACAAATGGAATGCTCTCTTTCCCTGCGCCCGACAGACTTTTATCCACTTA	2183
Dp	20015	TTTCTTGATTCACAAATGGAATGCTCTCTTTCCCTGCGCCCGACAGACTTTTATCCACTTA	19956
OY	2184	CTTACATTTACATATTTCTTTAAATTTATCTATCTACAGGCTCCCTCAACCCAC - 2235	

Db 19955 CCTAGATTCTACATATTCTTTAAATTTCATCTCAGGCCCTCCCTCAACCCAC 1904

Search completed: September 4, 2002, 12:38:06
Job time: 14619 sec

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Db 1421 YYYYYYYYYYGTACCA 1441

RESULT 39

US-09-007-005-17

; Sequence 17, Application US/09007005B
; Patent No. 6258558

; GENERAL INFORMATION:

; APPLICANT: Szostak, Jack W.

; APPLICANT: Roberts, Richard W.

; APPLICANT: Liu, Rih

; TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN

; TITLE OF INVENTION: FUSIONS

; FILE REFERENCE: 00786/350003

; CURRENT APPLICATION NUMBER: US/09/007,005B

; CURRENT FILING DATE: 1998-01-14

; EARLIER APPLICATION NUMBER: 60/035,963

; EARLIER FILING DATE: 1997-01-27

; EARLIER APPLICATION NUMBER: 60/064,491

; EARLIER FILING DATE: 1997-11-06

; NUMBER OF SEQ ID NOS: 33

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 17

; LENGTH: 289

; TYPE: RNA

; ORGANISM: Artificial Sequence

; FEATURE: OTHER INFORMATION: Translation template

; NAME/KEY: misc_feature

; LOCATION: (1)...(289)

; OTHER INFORMATION: n = A,T,C or G

US-09-007-005-17

Query Match 1.8%; Score 41.6; DB 4; Length 289;

Best Local Similarity 5.6%; Pred. No. 0.01;

Matches 13; Conservative 112; Mismatches 106; Indels 1; Gaps 1;

QY 331 AAAACAGCGCGAATTGAGTCTGAGAGACACTGCGCTTCACTGCTTACTACT 390

Db 8 arcraararururarcraararururarcraararururarcraararurgr-rnnrnnrn 66

QY 391 GGATAGGAATCCGAGATAGGAGGAATATGACGTGGGTGGACCAACAATCTCTCA 450

Db 67 rsnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnrn 126

QY 451 CTGAAGACGACAGAACTGGGAGATGTTGAGCCCAACAAGAAGAAGAAGAGACT 510

Db 127 rsnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnrn 186

QY 511 GCGTGAGATCTATATCAAGAGAAACAAGATGACGCAATGCAACGATGA 562

Db 187 rsnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnrn 238

RESULT 40

US-09-244-796-17

; Sequence 17, Application US/09244796

; Patent No. 6281344

; GENERAL INFORMATION:

; APPLICANT: Szostak, Jack W.

; APPLICANT: Roberts, Richard W.

; APPLICANT: Liu, Rih

; TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN

; TITLE OF INVENTION: FUSIONS

; FILE REFERENCE: 00786/350007

; CURRENT APPLICATION NUMBER: US/09/244,796

; CURRENT FILING DATE: 1999-02-05

; EARLIER APPLICATION NUMBER: 60/035,963

; EARLIER FILING DATE: 1997-01-27

; EARLIER APPLICATION NUMBER: 60/064,491

; EARLIER FILING DATE: 1997-11-06

; EARLIER APPLICATION NUMBER: 09/007,005

; EARLIER FILING DATE: 1998-01-14

; NUMBER OF SEQ ID NOS: 33

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 17

; LENGTH: 289

; TYPE: RNA

; ORGANISM: Artificial Sequence

; FEATURE: OTHER INFORMATION: Translation template

; NAME/KEY: misc_feature

; LOCATION: (1)...(289)

; OTHER INFORMATION: n = A,T,C or G

US-09-244-796-17

Query Match 1.8%; Score 41.6; DB 4; Length 289;

Best Local Similarity 5.6%; Pred. No. 0.01;

Matches 13; Conservative 112; Mismatches 106; Indels 1; Gaps 1;

QY 331 AAAACAGCGCGAATTGAGTCTGAGAGACACTGCGCTTCACTGCTTACTACT 390

Db 8 arcraararururarcraararururarcraararururarcraararurgr-rnnrnnrn 66

QY 391 GGATAGGAATCCGAGATAGGAGGAATATGACGTGGGTGGACCAACAATCTCTCA 450

Db 67 rsnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnrn 126

QY 451 CTGAAGACGACAGAACTGGGAGATGTTGAGCCCAACAAGAAGAAGAAGAGACT 510

Db 127 rsnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnrn 186

QY 511 GCGTGAGATCTATATCAAGAGAAACAAGATGACGCAATGCAACGATGA 562

Db 187 rsnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnnrnnrn 238

Search completed: September 4, 2002, 11:15:37

Job time: 9670 sec


```

?      REGISTRATION NUMBER: 27,794
?
?      REFERENCE/DOCKET NUMBER: CG-104
?
?      TELECOMMUNICATION INFORMATION:
?
?      TELEPHONE: (212) 596-9000
?
?      TELEFAX: (212) 596-9090
?
?      TELEX: 14-8367
?
?      INFORMATION FOR SEQ ID NO: 6:
?
?      SEQUENCE CHARACTERISTICS:
?
?      LENGTH: 832 base pairs
?
?      TYPE: nucleic acid
?
?      STRANDEDNESS: single
?
?      TOPOLOGY: linear
?
?      MOLECULE TYPE: DNA (genomic)
?
?      HYPOTHETICAL: NO
?
?      ANTI-SENSE: NO
?
US-08-461-592B-6

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[illegible]

```

1      RESULT 33
2      US-08-340-539A-3
3      : Sequence 3, Application US/08340539A
4      : Patent No. 5808025
5      :
6      : GENERAL INFORMATION:
7      :
8      : APPLICANT: Tedder, Thomas F.
9      :
10     : APPLICANT: Kansas, Geoffrey S.
11     :
12     : TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS
13     :
14     : TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION
15     :
16     : NUMBER OF SEQUENCES: 28
17     :
18     : CORRESPONDENCE ADDRESS:
19     :
20     : ADDRESSEE: FISH & NEAVE
21     :
22     : STREET: 1251 Avenue of the Americas
23     :
24     : CITY: New York
25     :
26     : STATE: New York
27     :
28     : COUNTRY: USA
29     :
30     : ZIP: 10020
31     :
32     : COMPUTER READABLE FORM:
33     :
34     : MEDIUM TYPE: Floppy disk
35     :
36     : COMPUTER: IBM PC compatible
37     :
38     : OPERATING SYSTEM: PC-DOS/MS-DOS
39     :
40     : SOFTWARE: PatentIn Release #1.0, Version #1.30
41     :
42     : CURRENT APPLICATION DATA:
43     :
44     : APPLICATION NUMBER: US/08/340,539A
45     :
46     : FILING DATE: 16-NOV-1994
47     :
48     : CLASSIFICATION: 514
49     :
50     : PRIOR APPLICATION DATA:
51     :
52     : APPLICATION NUMBER: US 08/008,459
53     :
54     : FILING DATE: 25-JAN-1993
55     :
56     : ATTORNEY/AGENT INFORMATION:
57     :
58     : NAME: Gunnison, Jane
59     :
60     : REGISTRATION NUMBER: 38,479
61     :
62     : REFERENCE/DOCKET NUMBER: CG-104 CON
63     :
64     : TELECOMMUNICATION INFORMATION:
65     :
66     : TELEPHONE: 212-596-9000
67     :
68     : TELEFAX: 212-596-9090
69     :
70     : INFORMATION FOR SEQ ID NO: 3:
71     :
72     : SEQUENCE CHARACTERISTICS:
73     :
74     : LENGTH: 1192 base pairs
75     :
76     : TYPE: nucleic acid
77     :
78     : STRANDEDNESS: single
79     :
80     : TOPOLOGY: linear
81     :

```

	MOLECULE TYPE:	DNA (genomic)	
US-08-340-539A-3			
Query Match	4.3%;	Score 96.4;	DB 1; Length 1192;
Best Local Similarity	98.2%;	Pred. No. 1.6e-18;	
Matches 108; Conservative	0;	Mismatches 1;	Indels 1; Gaps 1.
OY	25	ACCTGCAGCAGCACACTCCCTTTT-GGCAAGACCCTGGACCTTGTCATAAGTCAAGA	83
Db	935	ACCTGCAGCAGCACACTCCCTTTGGGCAAGAACTGTGACCTTGTCATAAGTCAAGA	994
OY	84	GCGTCATATGGCGCTGCAGAAGAACTAGAGAGAACCAAGCAAGCCATGAT	133
Db	995	GGCTCAATATGGCTGCAGAAGAACTAGAGAGAACCAAGCAAGCCATGCT	1044

```

RESULT 34
US-08-461-592B-3
: Sequence 3, Application US/08461592B
: Patent No. 5834425
: GENERAL INFORMATION:
: APPLICANT: Tedder, Thomas F.
: APPLICANT: Kansas, Geoffrey S.
: TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS
: TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION
: NUMBER OF SEQUENCES: 11
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Weingarten, Schurigh, Gagnebin & Hayes
: STREET: Ten Post Office Square
: CITY: Boston
: STATE: MA
: COUNTRY: USA
: ZIP: 02109
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/461,592B
: FILING DATE:
: CLASSIFICATION: 514
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/340,539
: FILING DATE: 16-NOV-1994
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/008,459
: FILING DATE: 25-JAN-1993
: ATTORNEY/AGENT INFORMATION:
: NAME: James F. Haley, Jr.
: REGISTRATION NUMBER: 27,794
: REFERENCE/DOCKET NUMBER: CG-104
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (212) 596-9000
: TELEFAX: (212) 596-9090
: TELEX: 14-8367
: INFORMATION FOR SEQ ID NO: 3:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1192 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: HYPOTHEICAL: NO
: ANTI-SENSE: NO
: US-08-461-592B-3

```


APPLICANT: Kansas, Geoffrey S.
TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS
TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Weingarten, Schurgin, Gagnebin & Hayes
STREET: Ten Post Office Square
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,592B
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/340,539
FILING DATE: 16-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/008,459
FILING DATE: 25-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: James F. Haley, Jr.
REGISTRATION NUMBER: 27,794
REFERENCE/DOCKET NUMBER: CG-104
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 596-9000
TELEFAX: (212) 596-9090
TELEX: 14-8367
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 712 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-461-592B-7

RESULT 29
US-08-340-539A-9
; Sequence 9, Application US/08340539A
; Patent No. 5808025
; GENERAL INFORMATION:
; APPLICANT: Tedder, Thomas F.

APPLICANT: Kansas, Geoffrey S.
 TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS
 TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION
 NUMBER OF SEQUENCES: 28
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: FISH & NEAVE
 STREET: 1251 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: USA
 ZIP: 10020
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/340,539A
 FILING DATE: 16-NOV-1994
 CLASSIFICATION: 514
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/008,459
 FILING DATE: 25-JAN-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Gunnison, Jane
 REGISTRATION NUMBER: 38,479
 REFERENCE/DOCKET NUMBER: CG-104 CON
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-596-9000
 TELEFAX: 212-596-9090
 INFORMATION FOR SEQ ID NO: 9:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 544 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 US-08-340-539A-9

```

Query Match Similarity      5.8%; Score 131.2; DB 1; Length 544;
Best Local Similarity      97.8%; Pred No. 6, 1e-29;
Matches 133; Conservative 0; Mismatches 3; Indels 0; Gaps 0

QY      1079  AAAATTGGACAAAAGTTTCTCAATGATTAAAGAGGGTGATTATAACCCCTTCAATCC 1138
          | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      298  AGAATTGGACAAAAGTTTCTCAATGATTAAAGAGGGTGATTATAACCCCTTCAATCC 357

QY      1139  AGTGCACATCATGGTTACTGCATTCCTCCTGGGTGGCATTTATCATTTGGCTGGCAAGAG 1198
          | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      358  AGTGCACATCATGGTTACTGCATTCCTCCTGGGTGGCATTTATCATTTGGCTGGCAAGAG 417

QY      1199  ATTAATAAAAAAGGCAAG 1214
          | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      418  ATTAATAAAAAAGSTATG 433

RESULT  30
US-08-461-592B-9
: Sequence 9, Application US/08461592B
: Patent No. 5834425
: GENERAL INFORMATION:
: APPLICANT: Tedder, Thomas F.
: APPLICANT: Kansas, Geoffrey S.
: TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS
: TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION
: NUMBER OF SEQUENCES: 11
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Weingarten, Schurgin, Gagnebin & Hayes
: STREET: Ten Post Office Square
: CITY: Boston
: STATE: MA
: COUNTRY: USA
:

```


RESULT 26

US-08-461-592B-8

; Sequence 8, Application US/08461592B

; Patent No. 5834425

; GENERAL INFORMATION:

; APPLICANT: Tedder, Thomas F.

; APPLICANT: Kansas, Geoffrey S.

; TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS

; TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION

; NUMBER OF SEQUENCES: 11

; CORRESPONDENCE ADDRESSES:

; ADDRESSEE: Weingarten, Schurigin, Gagnebin & Hayes

; STREET: Ten Post Office Square

; CITY: Boston

; STATE: MA

; COUNTRY: USA

; ZIP: 02109

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/461,592B

; FILING DATE:

; CLASSIFICATION: 514

; PRIORITY APPLICATION DATA:

; APPLICATION NUMBER: US 08/340,539

; FILING DATE: 16-NOV-1994

; PRIORITY APPLICATION DATA:

; APPLICATION NUMBER: US 08/008,459

; FILING DATE: 25-JAN-1993

; ATTORNEY/AGENT INFORMATION:

; NAME: James F. Haley, Jr.

; REGISTRATION NUMBER: 27,794

; REFERENCE/DOCKET NUMBER: CG-104

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (212) 596-9000

; TELEFAX: (212) 596-9090

; TELEX: 34-8367

; INFORMATION FOR SEQ ID NO: 8:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 451 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: DNA (genomic)

; HYPOTHETICAL: NO

; ANTI-SENSE: NO

; US-08-461-592B-8

Query Match 8.4%; Score 189.4; DB 2; Length 451;

Best Local Similarity 99.5%; Pred. No. 4.2e-46;

Matches 190; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 890 TCAAGTATGATGAGTGTGACCTCTATACACACCAAGTTGGGATCATTAATCTAGACCA 949

DB 235 TAAAGTATGATGAGTGTGACCTCTATACACACCAAGTTGGGATCATTAATCTAGACCA 294

QY 950 TCCCTGAGCACTTCAGCTTACCTCTCATGATGATCTTCACTGCTGCAAGAACTGA 1009

DB 295 TCCCTGAGCACTTCAGCTTACCTCTCATGATGATCTTCACTGCTGCAAGAACTGA 354

QY 1010 GTTAATTTGGGAAGAAACCAATTTGTGAATCATCTGGAATCTGTCAATCTAGTCC 1069

DB 355 GTTAATTTGGGAAGAAACCAATTTGTGAATCATCTGGAATCTGTCAATCTAGTCC 414

QY 1070 AATATGTCAA 1080

DB 415 AATATGTCAA 425

RESULT 27

US-08-340-539A-7

; Sequence 7, Application US/08340539A

; Patent No. 5808025

; GENERAL INFORMATION:

; APPLICANT: Tedder, Thomas F.

; APPLICANT: Kansas, Geoffrey S.

; TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS

; TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION

; NUMBER OF SEQUENCES: 28

; CORRESPONDENCE ADDRESSES:

; ADDRESSEE: FISH & NEAVE

; STREET: 1251 Avenue of the Americas

; CITY: New York

; STATE: New York

; COUNTRY: USA

; ZIP: 10020

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/340,539A

; FILING DATE: 16-NOV-1994

; CLASSIFICATION: 514

; PRIORITY APPLICATION DATA:

; APPLICATION NUMBER: US 08/008,459

; FILING DATE: 25-JAN-1993

; ATTORNEY/AGENT INFORMATION:

; NAME: Gunnison, Jane

; REGISTRATION NUMBER: 38,479

; REFERENCE/DOCKET NUMBER: CG-104 CON

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 212-596-9000

; TELEFAX: 212-596-9090

; INFORMATION FOR SEQ ID NO: 7:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 712 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: DNA (genomic)

; US-08-340-539A-7

Query Match 8.1%; Score 183.8; DB 1; Length 712;

Best Local Similarity 98.9%; Pred. No. 2.4e-44;

Matches 185; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 708 GTGATTCAGTGTGAGCCCTTTGAGAGGCCAGAGCTGGGTACCATGTGACTACACCC 767

DB 376 GTGATTCAGTGTGAGCCCTTTGAGAGGCCAGAGCTGGGTACCATGTGACTACACCC 435

QY 768 TTGGAACTTACGCTTCAGCTCACAGTGTGCTTCAGCTGCTGGAAGAACTTA 827

DB 436 TTGGAACTTACGCTTCAGCTCACAGTGTGCTTCAGCTGCTGGAAGAACTTA 495

QY 828 ACTGGATTGAAGAAACCACTGTGAGACATTTGGAACCTGTCATCTCCAAACCAAC 887

DB 496 ACTGGATTGAAGAAACCACTGTGAGACATTTGGAACCTGTCATCTCCAAACCAAC 555

QY 888 TGTCAAG 894

DB 556 TGTCAAG 562

RESULT 28

US-08-461-592B-7

; Sequence 7, Application US/08461592B

; Patent No. 5834425

; GENERAL INFORMATION:

; APPLICANT: Tedder, Thomas F.

APPLICATION NUMBER: 08/252,493
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Fidel, Seth A.
REGISTRATION NUMBER: 38,449
REFERENCE/DOCKET NUMBER: ALX-138
TELECOMMUNICATION INFORMATION:
TELEPHONE: (203) 776-1790
TELEFAX: (203) 772-3655
INFORMATION FOR SEQ. ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1592 base pairs
TYPE: Nucleic Acid
STRANDEDNESS: Double
TOPOLOGY: Linear
MOLECULE TYPE: cDNA to mRNA
DESCRIPTION: Porcine E-selectin
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-09-276-197-1

Query Match 9.9%; Score 223.4; DB 3; Length 1592;
Best Local Similarity 57.8%; Pred. No. 86-56;

Matches 442; Conservative 0; Mismatches 311; Indels 12; Gaps 2;

242 CTGGAGCTTACCATTTATTCGAAAAACCATGACTGGCAAGGCGCTAGAAATTCGGCG 301
197 CTGGTCTTACAGGCGCTTACAGAAACCATGACTTTGATGATGCCAGTCTTATTCGA 256
302 AACCAATTCACAGATTTTGTGCTTACAAACAAAGCGGAAATTTAGTATCTGGAGAA 361
257 GGAGAGTACACACATCTGCTGCAATTCAAACCATGAGAGATTAATCTGCAACTC 316
362 GACTCTGCCCTTCAGTCGTTTCTACTACGATAGGAATCCGAGATAGAGGAAATAG 421
317 CACGTTCAACTATTTCAGCAAGTTACTAGTGAATCAGAGATCAATGATGATCATG 376
422 GACGTGGGTGGAGAACCAATCTCTCACTGAGAGAGAGAGAACTGGGAGATGGTGA 481
377 GACATGATAGAGGCAAGAAAGCGCTTGACCCCAAGGCGCAACCACTGGCTCCAGGTGA 436
482 GCGCAACAAAGAGAAAGAGAGAGAGATCGCTGGAGATCTTATCAAGAGAAACAAAGA 541
437 ACCCAATATATAAGCAAAACCAAGAGAGAGTGTAGATCTACATCAAGAGAGAAAGGA 496
542 TGCAGGCAATAG 601
497 CTCGGGCAAGTGGATGATGAGAGATGCAAGAAAGAGAGAGAGAGAGAGAGAGAGAG 556
602 TTTCTGGCAGGCGCTGTCATGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 661
557 TGCCCTGTACCCCTACATCTCTGAGGCGCATGTGATGATGAGAGAGAGAGAGAGAG 616
662 CACCTGCAAGTGTATGTGGGCTACTATGGGCGCCAGTGTAGCTTGTGATTCAGTGTGA 721
617 TACTTGGCAGTGTACCCGCGCTTCCAGAGGCTTCCAGAGTGTAGAGAGAGAGAGAGAG 676
722 GCGTTTGGAGGCGCCAGAGAGTGGTACCATGAGTACTACTACCCCTTTGGAACCTTCA 781
677 TGCTTTGGAATCTCTGTCACAGGAGTGTGATGATGATGATGATGATGATGATGATG 727
782 CTTCAGCTCACAGTGTGCTTCACTGCTCTGAAGAGAAACAACTTAATGAGATTTAGA 841
728 ATGGAACCAACACCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATG 787
842 AACCACTGTGGAGAGATTTGGAACCTGTATCTCCAGAGAGAGAGAGAGAGAGAGAGAG 901
788 CTTCAATGTATCTATCTATCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 847
902 GTGTAGAGCTTATCAGAGAGAGATTTGGGAGATCATGAGATGAGAGAGAGAGAGAGAG 958
848 ATGTAGACAGCGGTGGAG 907

QY 959 CAGCTTCAGCTTACCTCTGATGATGATGATGATGATGATGATGATGATGATGATG 1003
Db 908 AGAGTTTGGCTTACAGTCAACCTGCACTTCACTGATGATGATGATGATGATGATG 952

RESULT 25

US-08-340-539A-8

Sequence 8, Application US/08340539A

Patent No. 5808025

GENERAL INFORMATION:

APPLICANT: Tedder, Thomas F.

APPLICANT: Kansas, Geoffrey S.

TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS

NUMBER OF SEQUENCES: 28

CORRESPONDENCE ADDRESS:

ADDRESS: FISH & NEAVE

STREET: 1251 Avenue of the Americas

CITY: New York

STATE: New York

COUNTRY: USA

ZIP: 10020

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/340,539A

FILING DATE: 16-NOV-1994

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/008,459

FILING DATE: 25-JAN-1993

ATTORNEY/AGENT INFORMATION:

NAME: Gunnison, Jane

REGISTRATION NUMBER: 38,479

REFERENCE/DOCKET NUMBER: CG-104 CON

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-596-9000

TELEFAX: 212-596-9090

INFORMATION FOR SEQ. ID NO: 8:

SEQUENCE CHARACTERISTICS:

LENGTH: 451 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

US-08-340-539A-8

Query Match 8.4%; Score 189.4; DB 1; Length 451;

Best Local Similarity 99.5%; Pred. No. 4-2e-46;

Matches 190; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 890 TCAAGGATTCAGTGTGAGGCTCTATCAGACAGATTTGGGAGATCAGATGTAGCCA 949
Db 235 TGAAGGATTCAGTGTGAGGCTCTATCAGACAGATTTGGGAGATCAGATGTAGCCA 294
QY 950 TCCCGTGGCCAGGCTTACCTCTGATGATGATGATGATGATGATGATGATGATGATG 1009
Db 295 TCCCGTGGCCAGGCTTACCTCTGATGATGATGATGATGATGATGATGATGATGATG 354
QY 1010 GTTAATTTGGAG 1069
Db 355 GTTAATTTGGAG 414
QY 1070 AATATGTCAA 1080
Db 415 AATATGTCAA 425

Db 787 tggacaataaagccctccagagtglttaagctgcccagtgccacccctgaagaattcctgaa 846
Qy 927 TTTGGGATCATTAAGTGTAGACCTCCCTGGCCAGCTTCAGTTACCTTCATGATGACC 986
Db 847 cgaagaaacaagatctgcctccatctcgcgaagaacatccagcatcagctcgcagc 906
Qy 987 TTTCACTGCTCAGGAAGAACTGATTAATTGGGAAGAAG 1025
Db 907 ttcaagtgtgaagagggattgcatagtgagacggaag 945

RESULT 23

US-08-252-493C-1

; Sequence 1, Application US/08252493C

; Patent No. 5891645

; GENERAL INFORMATION:

; APPLICANT: Rollins, Scott

; APPLICANT: Rother, Russell P.

; APPLICANT: Evans, Mark J.

; APPLICANT: Malis, Louis A.

; TITLE OF INVENTION: PORCINE E-SELECTIN

; NUMBER OF SEQUENCES: 9

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Seth A. Fidel

; STREET: 25 Science Park, Box 15

; CITY: New Haven

; STATE: Connecticut

; COUNTRY: USA

; ZIP: 06511

; COMPUTER READABLE FORM:

; MEDIUM TYPE: 3.5 inch, 750 Kb storage

; COMPUTER: PC compatible

; OPERATING SYSTEM: DOS 6.2

; SOFTWARE: Wordperfect 6.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/252,493C

; FILING DATE: June 1, 1994

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER:

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Fidel, Seth A.

; REGISTRATION NUMBER: 38,449

; REFERENCE/DOCKET NUMBER: ALX-138

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (203) 776-1790

; TELEFAX: (203) 772-3655

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1592 base pairs

; TYPE: Nucleic Acid

; STRANDEDNESS: Double

; TOPOLOGY: Linear

; MOLECULE TYPE: cDNA to mRNA

; DESCRIPTION: Porcine E-selectin

; HYPOTHETICAL: NO

; ANTI-SENSE: NO

; US-08-252-493C-1

Query Match 9.9%; Score 223.4; DB 2; Length 1592;

Best Local Similarity 57.8%; Pred. No. 8e-56;

Matches 442; Conservative 0; Mismatches 311; Indels 12; Gaps 2;

Qy 242 CTGACATTACATTAATTTGTGAAAAACCATGACCTGGCAAGGCTAGAGAATTCGCG 301
Db 197 CTGGCTTACAGCCGCTCTACAGAAACCATGACTTTGATGATGCCAGTGTATTCGCA 256
Qy 302 AGACAATTAACAGATTAGTTCATACAAAACAAGCGCAAAATTGATGATTCGAGAA 361
Db 257 GCAGAGTACACACTGTGGTGCATTCGCAAAACCATGACGAGATTGATTAACCTGAACTC 316

Qy 362 GACTCTGCCCTTCACTGCTTCTTACTGATAGGAATCCGGAAGATAGAGAATATG 421
Db 317 CACGTTCAACTATTTCAGCAAGTTACTACTGATTTGGAATCAGAAAGTAAATGTTAGCATG 376
Qy 422 GACGTGGTGGGAACCAACAAATCTCTCACTGAGAAGCAGAGACCTGGGAGATGTGA 481
Db 377 GACATGATAGGAGCAAGAAAGGCCCTTGACCCCAAGGCCACCACTGGGCTCCAGGTGA 436
Qy 482 GCCCAACAACAGAAGAACAAAGAGACTGCGTGSAGANTCTATTCAGAGAAACAAAGA 541
Db 437 ACCAATATATTAAGCAAGCAAGTAGAGACTGTGTAGAGATCTATCAATGAGACAAAGA 496
Qy 542 TGCAGCAAAATGGAAGCATGAGCCCTGCCACAACTAAAGGCAAGCCCTGTGTACACAGC 601
Db 497 CTCGGGCAAGTGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 556
Qy 602 TTTCTTCCAGCCCTGCTATGCAATGAGCCAGTGAAGATGTGTGAATTCATCAATATCA 661
Db 557 TGCCTGTACCCCTACATCCTCGACGCGCATGTGAATGCAATGACATCAATATAGCTC 616
Qy 662 CACCTGCAACGTGATGATGAGGCTGATGATGAGGCGCCAGTGTGAGTTGATGATGATG 721
Db 617 TACTTGCAAGTGTACCCCGCTCCGAGGCTCCAGTGTGAGCAAGTGTGATGATGATG 676
Qy 722 GCCTTTGAGGCCCCAGAGCTGGTACCATGAGTACTGACTCACCCCTTTGGAACCTGAG 781
Db 677 TGCTTTGGAATATCTGTTCACAGAGTGTGACATGTCCCA-----AAGCTCC 727
Qy 782 CTTCACTACAGTGTGCTTCTGCTCTGAGAACAACTTAAGTGGATTAAGA 841
Db 728 ATGGAACAAACCTGTGATTTGAGTGAAGAAAGATTGAACTGACCTGACGACGA 787
Qy 842 AACCACTGTGACATTTGGAAGTGTGATGATGATGATGATGATGATGATGATGATGATG 901
Db 788 CCTGCAATGTACCTATCTGGAGCTGGAGCGGACGGAAGAACCTGTAAGCTGTGAC 847
Qy 902 GTGTGAGCCTATCAGACAGATTTTGGGATCATGAACCTGATGATGATGATGATGATG 847
Db 848 ATGTGCAACCGTGGCCATCTCAGAAATGATGATGATGATGATGATGATGATGATGATG 907
Qy 959 CAGCTTACGCTTACCTCTGATGATGATGATGATGATGATGATGATGATGATGATG 1003
Db 908 AGAGTTGCTTACAGTCAACCTGCACTTCACTGTCAGAGAG 952

RESULT 24

US-09-276-197-1

; Sequence 1, Application US/09276197

; Patent No. 6040428

; GENERAL INFORMATION:

; APPLICANT: Rollins, Scott

; APPLICANT: Rother, Russell P.

; APPLICANT: Evans, Mark J.

; APPLICANT: Malis, Louis A.

; TITLE OF INVENTION: PORCINE E-SELECTIN

; NUMBER OF SEQUENCES: 9

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Seth A. Fidel

; STREET: 25 Science Park, Box 15

; CITY: New Haven

; STATE: Connecticut

; COUNTRY: USA

; ZIP: 06511

; COMPUTER READABLE FORM:

; MEDIUM TYPE: 3.5 inch, 750 Kb storage

; COMPUTER: PC compatible

; OPERATING SYSTEM: DOS 6.2

; SOFTWARE: Wordperfect 6.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/276,197

; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

```

FEATURE:
NAME/KEY: POLYA.signal
LOCATION: 3124..3130
OTHER INFORMATION: /note="Potential polyadenylation
OTHER INFORMATION: signal"
PCT-US91-05059-1

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Query Match      13.1%; Score 294.8; DB 5; Length 3144;
Best Local Similarity 57.3%; Pred. No. 1.1e-76;
Matches 533; Conservative 0; Mismatches 397; Indels 0; Gaps 0;

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150 CAGACACCACGAGGAGCTTATGAAACATCTTCAAGTTCTGGGGTGGACAATGCTCTGT 209
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Db 69 CAGAAATTCAGAGAGTGTCTTTGGAAATTTCCCAATCTTGGCTTCAAGTCCCTGATC 128
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
210 TGTGATTTCTGGACATTCAGTGAACCTTACTGCTGACTTACCATTATTTCTGAAAAACC 269
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 129 TCTGAATTAACAAACCAAGAAAGAGTGGCAGCATGACTTATCATTAAGCAAAAGCA 188
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
270 ATGAACGGCAAGAGGCTAGAAGATTCGCCAGACATTTACACAGATTTAGTCCATA 329
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 189 TACTCATGGAATATTTCCCGTAAATATGTCGCAAGATCCCTACACAGACTTATGTCCTATC 248
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
230 CAAAACAGGCGGAATTTAGTATCTGGAAGAGACTTGCCTTCACTGCTTACTATAC 389
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 249 CAGATATAAATGAAATGATTTACTCTCAATTAAGTCTTACTACTACAGCTCTTACTAC 308
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
230 TGGATAGAAATCCGAGATAGAGAGAAATAGACGTGGTGGGAACCAACAAATCTCTC 449
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 309 TGGATTTGGATCCGAAAGAACAAATTAAGACATGAGATGGTGGGAACCAAAAGGCTCTC 368
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
240 ACTGAGAGAGAGAGAACTGGGAGATGTGAGCCCAACAAACAAACAAAGAGAGAGC 509
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 369 ACCACAGAGGCTGAGAACTGGGCTGATATATGAACCTTAACAAAGAGACACAGAGAC 428
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
250 TGGCTGAGATCTATATCAAGAAACAAAGATGCAAGCAATGAGATGAGCCCTGTC 569
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 429 TGGCTGAGATATATCAATGAAGTCCGACAGCCCTGCAAGTGAATGATGAGACCTGC 488
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
250 CACAACATTAAGGAGCCCTCTGTTACACAGCTTCTCCAGCCCTGCTATGACAGTGC 629
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 489 TTGAAGAAAGAGCAGCTTGTGTACACAGCTCTCCAGAGCATTTCTCCGACAGAA 548
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
260 CATGAGAAATGTGAATATCATATATCAACCTTCACTGATGATGGGAGTACTAT 689
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 549 CAGAGAGAGCTCTGAGACCATGCGGAATCACTGCTCTCTGTTACCTTGATTTCTAT 608
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
260 GGGCCCAAGTCTGAGCTTGTGATTCAGTGTGAGCCCTTGGAGGCCCAAGAGCTGGTACC 749
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 609 GGGCCAGAAATGTGAATACGTGAGAGAGTGTGAGAACTTGAACCTCCCAACAGCTGCTC 668
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
270 ATGACGTCTACTACCCCTTTGGAACCTTCACTGCTGACGTCAAGATGCTGCTTCACTGC 809
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 669 ATGAAGCTCACCCACCTCTGGGAAACTTCTTTTAACTGCAAGTGCAGCTTCCACTGC 728
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
280 TCTGAGGAACAAACTTAAGTGAAGTGAAGAAACACCTTGGAGCCCTTTGGAACCTGC 869
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 729 ACTGACGGGTCCAGATTAATGGGCCACGACAACTGCAATCTTGGCTTCTGGAATCTGG 788
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
280 TCAATCTCAGAACCACTGTCAAGTGAATTCAGTGTGAGCCCTTATCAAGCAACAGATTTG 929
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 789 ACAATATAAGCTCCACAGTGTGTTAGTCCGACAGTCCCAAGATTCCTGAAGCA 848
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
290 GGGATCATGAAGCTTACCATCCCTGGCCAGCTTCAAGCTTACCTTCACTGATCTTC 989
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 849 GGAACATGATCTCTTCAATTCGCAAAAGCAATTCAGATTCAGTCTGAGCTTC 908
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
290 ATCTGTCAGAGAGAGCAATTAATGGGAGAGAAACCAATTTGTGATCATCTGCA 1049
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 909 AGTTGTGAGAGGATTTTGTGATTTGATTTGAGTGTGACCGGAGAGTGTGCAATGCACGCTCGGGG 968
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
290 ATCTGTCAATCTCTAGTCAATATGTCAA 1079
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

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Db 969 GTATGACAGAGCCCGCCAGCCAGTGTGTA 998
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

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RESULT 22
5378464-1
: PATENT NO. 5378464
: APPLICANT: MCEVER, RODGER P.
: TITLE OF INVENTION: MODULATION OF INFLAMMATORY RESPONSES
: BY ADMINISTRATION OF GMP-140 OR ANTI-BODY TO GMP-140
: NUMBER OF SEQUENCES: 32
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/07/320,408
: FILING DATE: 08-MAR-1989
: SEQ ID NO.1:
: LENGTH: 2989
5378464-1

```

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Query Match      10.6%; Score 240.2; DB 6; Length 2989;
Best Local Similarity 57.6%; Pred. No. 1.3e-60;
Matches 506; Conservative 0; Mismatches 368; Indels 5; Gaps 4;

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150 CAGACACCACGAGGAGCTTATGAAACATCTTCAAGTTGTGGGGTGGACAATGCTCTGT 209
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 69 CAGAGATCCAGAGAGTCTCTCTTCCCAATCTTGGCTTCAAGTCCCTGATC 128
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
210 TGTGATTTCTGGACATTCAGTGAACCTTACTGCTGACTTACCATTATTTCTGAAAAACC 269
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 129 TGTGATTTCTGGACATTCAGTGAACCTTACTGCTGACTTACCATTATTTCTGAAAAACC 269
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
270 ATGAACGGCAAGAGGCTAGAAGATTCGCCAGACATTTACACAGATTTAGTCCATA 329
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 189 TACTCATGGAATATTTCCCGTAAATATGTCGCAAGATCCCTACACAGACTTATGTCCTATC 248
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230 CAAAACAGGCGGAATTTAGTATCTGGAAGAGACTTGCCTTCACTGCTTACTATAC 389
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 249 CAGATATAAATGAAATGATTTACTCTCAATTAAGTCTTACTACTACAGCTCTTACTAC 308
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
230 TGGATAGAAATCCGAGATAGAGAGAAATAGACGTGGTGGGAACCAACAAATCTCTC 449
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 309 TGGATTTGGATCCGAAAGAACAAATTAAGACATGAGATGGTGGGAACCAAAAGGCTCTC 368
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
240 ACTGAGAGAGAGAGAACTGGGAGATGTGAGCCCAACAAACAAAGAGAGAGAGC 509
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 368 ACCACAGAGGCTGAGAACTGGGCTGATATATGAACCTTAACAAAGAGACACAGAGAC 428
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
250 TGGCTGAGATCTATATCAAGAAACAAAGATGCAAGCAATGAGATGAGCCCTGTC 569
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 429 TGGCTGAGATATATCAATGAAGTCCGACAGCCCTGCAAGTGAATGATGAGACCTGC 488
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
250 CACAACATTAAGGAGCCCTCTGTTACACAGCTTCTCCAGCCCTGCTATGACAGTGC 629
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 488 TTGAAGAAAGAGCAGCTTGTGTACACAGCTCTCCAGAGCATTTCTCCGACAGAA 548
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
260 CATGAGAAATGTGAATATCATATATCAACCTTCACTGATGATGGGAGTACTAT 689
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 548 CAGAGAGAGCTCTGAGACCATGCGGAATCACTGCTCTCTGTTACCTTGATTTCTAT 608
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
260 GGGCCCAAGTCTGAGCTTGTGATTCAGTGTGAGCCCTTGGAGGCCCAAGAGCTGGTACC 749
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 609 GGGCCAGAAATGTGAATACGTGAGAGAGTGTGAGAACTTGAACCTCCCAACAGCTGCTC 668
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
270 ATGACGTCTACTACCCCTTTGGAACCTTCACTGCTGACGTCAAGATGCTGCTTCACTGC 809
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 669 ATGAAGCTCACCCACCTCTGGGAAACTTCTTTTAACTGCAAGTGCAGCTTCCACTGC 728
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
280 TCTGAGGAACAAACTTAAGTGAAGTGAAGAAACACCTTGGAGCCCTTTGGAACCTGC 869
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 729 ACTGACGGGTCCAGATTAATGGGCCACGACAACTGCAATCTTGGCTTCTGGAATCTGG 788
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
280 TCAATCTCAGAACCACTGTCAAGTGAATTCAGTGTGAGCCCTTATCAAGCAACAGATTTG 929
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 789 ACAATATAAGCTCCACAGTGTGTTAGTCCGACAGTCCCAAGATTCCTGAAGCA 848
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
290 GGGATCATGAAGCTTACCATCCCTGGCCAGCTTCAAGCTTACCTTCACTGATCTTC 989
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 849 GGAACATGATCTCTTCAATTCGCAAAAGCAATTCAGATTCAGTCTGAGCTTC 908
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
290 ATCTGTCAGAGAGAGCAATTAATGGGAGAGAAACCAATTTGTGATCATCTGCA 1049
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 909 AGTTGTGAGAGGATTTTGTGATTTGATTTGAGTGTGACCGGAGAGTGTGCAATGCACGCTCGGGG 968
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
290 ATCTGTCAATCTCTAGTCAATATGTCAA 1079
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CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/320,408
FILING DATE: 08-MAR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Pabst, Patrea L.
REGISTRATION NUMBER: 31,284
TELECOMMUNICATION INFORMATION:
TELEPHONE: (404)-815-6508
TELEFAX: (404)-815-6555
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 3142 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
US-08-110-158-3

```

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Query Match      13.1%: Score 294.8; DB 1: Length 3142;
Best Local Similarity 57.3%; Pred No. 1,1e-76;
Matches 533; Conservative 0; Mismatches 397; Indels 0; Gaps 0;

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QY 150 CAGAGCACCAGAGGAGCTTATGGAACATCTTCAAGTTGTGGGGGTGACAATGCTCTGT 209
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DB 69 CAGAGATTCAGAGAGTGTCTTTGGAATTTCCCAACTCTCTTGTCTGACGCGCTGATC 128
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QY 210 TGTGATTTCTTGGACATATGAGAACCTTCTGCTGACTTACCATTATTTCTGAAAAACC 269
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DB 129 TCTGAACCTAACAAACAGAGAGAGAGTGGCAGCATGACTATCATATACAGCAAAAGCA 188
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 270 ATGAACCTGGCAAGGCTGAAAGATTCTGCGAGCAATTCACACAGATTATGATGCCATA 329
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 189 TACTCTGGAATATTTCCCGTTAATCTGCGAATCGCTACACAGACTTAGGGCCATC 248
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 330 CAAACCAAGCGGAAATGATGATCTGAGAGAGACTCTGCCCTTCAGTCTCTTACTATC 389
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 249 CAGAAATTAATGAATATGATTACCTCAATTAAGTCTTACCTACTACAGCTCTATCAG 308
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QY 390 TGGATGGAATCCGGAAGATAGAGAAATATGAGACGTGGGTGGGAACCAACAATCTCTC 449
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DB 309 TGGATTGGGATCCGAAAGCAATTAAGACATGAGACATGGGTGGGAACCAAAAGGCTCTC 368
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 450 ACTGAAGAAGCAGAGAACTGGGAGATGGTGAAGCCCAACACAGAAGAAACAAGAGAGAC 509
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 369 ACCAAGAGAGCTGAGAGACTGGGCTGATATGAACCTTAACAACAAAAGAAACAAGAGAC 428
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 510 TGCCTGAGATCTATATCAAGAGAAACAAGATGCAAGCAAAATGGAACGATGACGCTGC 569
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 429 TGCCTGAGATATACATCAAGAGATCGGTGAGCCCTGGCAAGTGAATGATGAGCACTGC 488
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 570 CACAAACTAAAGGACGCTCTGTTTACAGACTTCTTGCACGCTGGTGCATGCACTGCC 629
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DB 489 TTGAAGAAAAAACACGCACTTGTTCACAGAGCTCTCTGACAGACATGCTGACAGCAAA 548
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 630 CATGGAATGTGTAATCATATCATACACCTGCACTGCAATGATGGGATGATCTAT 689
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DB 549 CAGAGAGAGTGGCTGAGACCACTCGGAACTACACCTGCTCTGTTACCTTGATTTCTAT 608
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QY 690 GGGCCCCAGCTGACGTTGTGATTCAGTGTGAGCTTTTGAGGCCCCAGAGCTGGGTACC 749
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DB 609 GGGCCAGATGTGAATACCTGAGAGAGTGTGAGAACTTGAGCTGCTCTCAACACGTCCTC 668
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QY 750 ATGAGCTGACTACACCCCTTTTGGAACTTCAGCTCAGCTGAGTGTCCCTTCAGCTGC 809
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DB 669 ATGAACCTGAGCACCCTCTGGGAAACTCTCTTTTAACCTGCAAGTGCCTTCACATGC 728
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QY 810 TCTGAAGAAACAACCTTAACCTGGATTTGAAGAAACCACTGTGGAGCAATTTGGAACCTGG 869
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DB 729 ACTGAGAGGTACCAAGTAATGAGGCCCAAGCAAGCTGGAATGCTTGTGGAATCTGG 788
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QY 870 TCATCTCCAGAACCAACCTGTCAAGTGAATTCAGTGTGAGCTCTTATCAGCACACGATTTGG 929
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DB 789 ACAAAATAGCCCTCCACAGAGTGTAGCTGCCAGTGGCCACCCCTGGAAGATTCCTGAAACA 848
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QY 930 GGGATCATTAAGCTGTAGCCATCCCTGGCCAGCTTACGTTTACCTCTGCATGTACTTC 989
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 849 GGAACATGATCTGCTCTTATTCGCAAAAGCAATTCACACATCAGTCTAGCTGACACTTC 908
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 990 ATCTGCTCAGAAGAACATGATGTTAATTTGGAAGAAAGAAACCAATTTGTGAATCATCTGGA 1049
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 909 AGTTGGAAGAGAGGATTTTCAATTAGTGGACCGGAAGTGTGCATGACACAGCTTCGGGG 968
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1050 ATCTGCTCAAAATCTAGTCAATATGTCAA 1079
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 969 GTATGACAGCCCAAGCCCAAGTGTGTA 998
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RESULT 21
PCT-US91-05059-1
Sequence 1, Application PC/TUS9105059
GENERAL INFORMATION:
APPLICANT: Regents of the Board of the, University of
TITLE OF INVENTION: Functionally Active Selectin-Derived
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Kilpatrick & Cody
STREET: 100 Peachtree Street, Suite 3100
CITY: Atlanta
STATE: Georgia
COUNTRY: US
ZIP: 30303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US91/05059
FILING DATE: 19910717
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/320408
FILING DATE: 08-MAR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/554199
FILING DATE: 17-JUL-1990
ATTORNEY/AGENT INFORMATION:
NAME: Pabst, Patrea L.
REGISTRATION NUMBER: 31,284
REFERENCE/DOCKET NUMBER: OMRFL10C1P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 404-572-6508
TELEFAX: 404-572-6555
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3142 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
HYPOTHETICAL: YES
ANTI-SENSE: YES
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: Homo sapien
TISSUE TYPE: Blood
CELL TYPE: Endothelial
FEATURE:
NAME/KEY: polyA_signal
LOCATION: 2833..2838
OTHER INFORMATION: /note="Potential polyadenylation
signals"

```


TOPOLOGY: Linear
ANTI-SENSE: no
US-09-009-490A-88

Query Match 13.7%; Score 310; DB 4; Length 3858;
Best Local Similarity 60.6%; Pred. No. 4.2e-81;
Matches 508; Conservative 0; Mismatches 330; Indels 0; Gaps 0;

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QY 242 CTGAGCTTACCTTTATTCGAAAAAACCCTGAACCTGGCAAGGCGTAGAAGATTCGCCG 301
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 203 CTGGCTTTACCAACACCTCCACGGAAGCTATGACTTATGATGAGGCCAGCTTATTGTGA 262
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 302 AGACAAATTACAGATTATGTTGCTATACAAAACAAGCGGAATTGATATCTGGAGAA 361
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 263 GCAGAGGTACACACACCTGGTTGCAATTCAAAAACAAGAGATTGACTTACTTAACATC 322
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 362 GACTCTGCCCTTCAGTCTGTTTACTACTGATAGGAATCCGAGATGAGGAATATG 421
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 323 CATATTGAGCTATTTCACCAAGTTATTACTGATTTGGAATCAGAAAAGTCAACAAATGTGTG 382
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 422 GACGTGGGTGGGAGCAACCAAAATCTCTCAGTAGAGAGAGAGAACTGGGAGATGTGA 481
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 383 GGTCTGGGTAGAGACCCCAAAACCTCTGACAGAGAGAGCAAGAACTGGGCTCCAGGTGA 442
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 482 GCCCAACAAGAAAGAACAGAGAGAGAGAGAGATCTATATCAAGAGAAACAAAGA 541
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 443 ACCCAACAATATGCAAAAAAGATGAGAGAGAGAGAGATCTATATCAAGAGAGAAAGA 502
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 542 TCCAGGCAAAATGGAAGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 601
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 503 TGTGGGAGCTGTGGAATGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 562
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 602 TTCTTGCCAGCCCTGTGCTATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 661
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 563 TGCCTGTACCAATATATCTGCAAGTGGCCAGAGTGAATGTGAGAACCATATATATTA 622
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 662 CACCTGCAACTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 721
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 623 CACTGCAAGTGTGAGACCCCTGGCTTCAGTGTGAGACTCAAGTGTGAGCAAAATGTGAGAGTAC 682
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 722 GCTTTGGAGGCCCCAGAGCTGGGTACATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 781
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 683 ACCCTGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 742
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 782 CTTCAGCTCAGAGTGTGCTTACAGTGTGCTTACAGAGAGAGAGAGAGAGAGAGAGAGAG 841
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 743 CTACAAATCTCTGCTATATCAGCTGTGATAGGGGTTACCTGCCAAGCAGATGTGAGAC 802
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 842 AACCACTGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 901
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 803 CATGCAAGTGTATGTCTCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 862
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 902 GTGTGAGCTCTATATCAGACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 961
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 863 GTGTGATGTCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 922
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 962 CTTCAGCTTACCTGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1021
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 923 CTTCCTCATGGAACACACCTGTACATTTGACTGTGAGAGAGAGAGAGAGAGAGAGAGAGAG 982
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1022 GAAGAAACCAATTTGATCATCTGGAATCTGTCMAATCTTACTAGCAATATGTCA 1079
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 983 CCAAGAGCCTTACGTGACTCATCTGGGAAATTGGGCAACGAGAGCCAAAGCTGTAA 1040
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

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RESULT 18
US-08-482-073-1
Sequence 1, Application US/08482073
Patent No. 6307025
GENERAL INFORMATION:
APPLICANT: Hession, Catherine A.
APPLICANT: Lobb, Roy R.

```

APPLICANT: Goelz, Susan E.
APPLICANT: Osborn, Laurelee
APPLICANT: Benjamin, Christopher D.
APPLICANT: Rosa, Margaret D.
TITLE OF INVENTION: ENDOTHELIAL CELL-LEUKOCYTE ADHESION
TITLE OF INVENTION: MOLECULES (ELAMS) AND MOLECULES INVOLVED IN LEUKOCYTE
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESS: Fish & Neave
STREET: 1251 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10020
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/482,073
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/486,336
FILING DATE:
APPLICATION NUMBER: US 07/608298
FILING DATE: 31-OCT-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US 90/02357
FILING DATE: 27-APR-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/452675
FILING DATE: 18-DEC-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/359516
FILING DATE: 01-JUN-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/354151
FILING DATE: 28-APR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Haley Jr., James F.
REGISTRATION NUMBER: 27,794
REFERENCE/DOCKET NUMBER: B124CIP4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 596-9000
TELEFAX: (212) 596-9090
TELEX: 14-8367
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3863 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-482-073-1

```

Query Match 13.7%; Score 310; DB 4; Length 3863;
Best Local Similarity 60.6%; Pred. No. 4.2e-81;
Matches 508; Conservative 0; Mismatches 330; Indels 0; Gaps 0;

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QY 242 CTGAGCTTACCTTTATTCGAAAAAACCCTGAACCTGGCAAGGCGTAGAAGATTCGCCG 301
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 203 CTGGCTTTACCAACACCTCCACGGAAGCTATGACTTATGATGAGGCCAGCTTATTGTGA 262
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 302 AGACAAATTACAGATTATGTTGCTATACAAAACAAGCGGAATTGATATCTGGAGAA 361
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 263 GCAGAGGTACACACACCTGGTTGCAATTCAAAAACAAGAGATTGACTTACTTAACATC 322
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 362 GACTCTGCCCTTCAGTCTGTTTACTACTGATAGGAATCCGAGATGAGGAATATG 421
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 323 CATATTGAGCTATTTCACCAAGTTATTACTGATTTGGAATCAGAAAAGTCAACAAATGTGTG 382
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

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Db      1558  acagaagctatcgccaacac-----agltgaataatgatccatgagttaattgga 1607
Qy      1645  GACTCAGTTTCTTGAGCAGAT 1664
        ||||| 1 |||| 11
Db      1608  aactcagactccttcgcgat 1627

RESULT 11
US-08-340-539A-5
; Sequence 5, Application US/08340539A
; Patent No. 5808025
;
GENERAL INFORMATION:
;
APPLICANT: Tedder, Thomas F.
APPLICANT: Kansas, Geoffrey S.
TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS
TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: FISH & NEAVE
STREET: 1251 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10020
;
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/340, 539A
FILING DATE: 16-NOV-1994
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/008,459
FILING DATE: 25-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Gunnison, Jane
REGISTRATION NUMBER: 38,479
REFERENCE/DOCKET NUMBER: CG-104 CON
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-596-9000
TELEFAX: 212-596-9090
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 531 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-340-539A-5

Query Match      17.1%; Score 385.2; DB 1; Length 531;
Best Local Similarity 99.2%; Pred. No. 1.1e-103;
Matches 387; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      213  GATTTCCTCGCAGCATCATGAGACCTACGCTGAGACTTACCATTTATTTGTGAAAAACCCATG 272
        |||||
Db      72   GATTTCCTCGCAGCATCATGAGACCGACGCTGAGACTTACCATTTATTTGTGAAAAACCCATG 131
Qy      273  AACTGCGAAAGGCGTGAAGATTTCGCGGAGACAAATTACACAGATTAGTTGCCATACAA 332
        |||||
Db      132  AACTGCGAAAGGCGTGAAGATTTCGCGGAGACAAATTACACAGATTAGTTGCCATACAA 191
Qy      333  AACAAAGCGGAAATTGAGTATCTGAGAAAGACTCTGCCCTTCAGTCGTTCTTACTACTG 392
        |||||
Db      192  AACAAAGCGGAAATTGAGTATCTGAGAAAGACTCTGCCCTTCAGTCGTTCTTACTACTG 251
Qy      393  ATAGGAATCCGGAAGATAGGAGGAATTATGACGTGGGTGGGAACCAACAATCTCTCACT 452
        |||||
Db      252  ATAGGAATCCGGAAGATAGGAGGAATTATGACGTGGGTGGGAACCAACAATCTCTCACT 311

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OY	3932	GAGGGAAATCCGGAAAGATPAGGAGAAATPAGACGTGGGTGGGAACCAACAATTCCTCAC	451
Db	369	GATAGGATACGGAAATTTGGAAATATGTGACATGTGGGAAACCAACAAATCTCAC	428
OY	452	TGAAGAAGCAGAGAACTGGGGAGATGGTGAAGCCCAACAAGAAGAACAGAGACTG	511
Db	429	TAAAGAAGCAGAGAACTGGGGGTGCTGGGGAGCCCAACMACAGAACTCCAAGAGACTG	488
OY	512	CGTGGAGATCTATATCAAGAGAAACAAGATGCAGGCAAATGGAACGATGACGCTGCCA	571
Db	489	TGTGGAGATCTATATCAAGAGAGGACAGACTGTGGAAATGGACGATGACGCTGTCA	548
OY	572	CAAACTAAAGGCACCCTCTGTTCACAGCTTCTTGCACAGCCTGGTCAATGCAATGGCCA	631
Db	549	CAAAAGAAAGGCACCTCTGTGTACACAGCTTCTTGCACAGCCAGAGGTCTTGGAAATGGCCG	608
OY	632	TGGAAATGTGTAAATTCATCAATATACACCTGCACACTGTGATGTGGGTACTATGG	691
Db	609	TGGAAATGTGTGAAACCTATCAACAATCACACTGTGATCTGTGATGCAGGGTATTACGG	668
OY	692	GCCCGAGTGTACGCTGTGTGATTCAGTGTGAGCCTTTGGAGGCCCAAGACTGGTACCAT	751
Db	669	GCCCGAGTGTAGATATGTGTGCCAGTGTGAGCCTTTGGAGGCCCGAATGTGGTACCAT	728
OY	752	GGACTGTACTACCCCTTTGGAAACTTCAGCTTCAGCTCACAGTGTGCTTACGCTGCTC	811
Db	729	GGACTGTACTCACCCCTTTGGAAACTTCAGCTTCAGCTCCAAAGTGTGCTTTCACATGTTCC	788
OY	812	TGAAGGAACAACCTTAACCTGGGAATGTGAAGAAACACCTGTGGAGCCATTTGGAACTGGTC	871
Db	789	TGAAGGAAGAGAGCTACTTGGAGACTGTGAGAAACAGTGTGGAGCTTGTGGAACTGGTC	848
OY	872	ATCTCCAGAAACCACTGTGAAGTATCAGTGTGAGCCTCATACGACACAGATTTGGG	931
Db	849	ATCTCCAGAGGCATCTGCGCAAGTGGTCCAGTGTGAGCCTTTGGAGGCCCTGAGATTTGGG	908
OY	932	GATCATGACTGTAGCCATCCCTGGCCAGCTTCAGCTTAACTCTGCATGTACCTTCAT	991
Db	909	TACCATGACTGCATCCACCCCTTTGGAAACTTCAGCTTCACAGTCCAAAGTGTCTTCAA	968
OY	992	CTGCTCAGAAAGCACTAGTTAATTTGGGAAAGAAACCAATTTGTGATTCATCTGGAAAT	1051
Db	969	CTGTCTCGAGGGAAGAGAGCTACTTGGAGACTGCAGAAACACAGTGTGGAGCAATCTGGAAA	1028
OY	1052	CTGTGCTAAATCTAGTCCAAATATGTCAAAATTTGACAAAGATTTCTCATGATTTAAGA	1111
Db	1029	CTGTGCTAATCTCAGAGGCATCTGCGCAAGAGAACAAACAGATTTCTCAAAATTCAAAGA	1088
OY	1112	GGGTGATTTAACCCTCTTTCATTCAGTGCAGTGCATGTTAATCTGCAATCTCTGGGTT	1171
Db	1089	AGGTGACTAACACCCCTCTTTCATTCCTGTAGGCGCTCATGTACCGCATCTCTCGGGGCT	1148
OY	1172	GGCATTTATCATTTGGCTGGCCAGAGAGATTTAAAAAAGCCAGAAATCCAAAGAGATAT	1231
Db	1149	GGCATTTCTCTTTGGCTGGCCAGAGCGGTTAAAAAAGCCAGAAATCTCAAGAAAGAT	1208
OY	1232	GAATGACCCATATTAATTCGCCCTTGGTGAAGAAATTTCTTG-----GAATCTATAA	1284
Db	1209	GGATGATCCATACGATTTCAATCTCTTGTGAAGAAAGCCATGAAAGTGTATAAGACAAA	1266
OY	1285	AATCATGAGATCTTTAATCTTCATCGATGAACGTTTTGTGTGGCCACCTCTCAAGTC	1344
Db	1269	CATTTGGAATAATAGTCMAATCCCTCCGTGAAGATTTTACGCGAGCGCATCTCCACAT	1328
OY	1345	AAACATGAAGTGTTCCTTCACGTGCATCTGGGAGATTTTACCCGACCAACACTGCT	1406
Db	1329	AGAATCGACAGTGTGTC--TCAACGAATCTGGAGAGATTTCTTCATGACCAACACTCTCT	1386
OY	1405	TCAGCTTCATTTGGCCCTCATTTATCCCTCAACCCCAAGCCACAGCGTGTATTACAG	1467
Db	1387	CCCTAATTTCCCTCTGCTCATTTCAATCCCATTAACCCATCCCAATATGTGTCTATACAG	1446
OY	1465	CTCAGCTTTTGTCTTTTCTGAGGAGAAACAATTAAGACCATTAAGGAAAGATTCATGT	1524

Db	1447	ACTAGTATTTTATCATCTTTTCTCTGGAGGAC-----AAGCAAAAGCTTACTGT	1497
Qy	1525	GGAAATTAAGATGGCTGACTTTGCTTTCTTGACTCTGTGTTTCAGTTTCAATTCAGT	1584
Db	1498	AACAATATPAAGACAGCTGCTTTTACCTTTTCCTTAACCTCTGTTTCCATGCAATTCAGC	1557
Qy	1585	GCTGTACTTGTATGACAGACACTTCTTAATAGTCGCAATTTGATTCATATGTGATATG	1644
Db	1558	ACAGAAAGCTAATGCCAAACAC-----AGTGAATAATGATCATGATTAATTGGA	1607
Qy	1645	GACTCAGTTTCTTGCGAGAT	1664
Db	1608	AACTCAGACTCTTGCGCAT	1627
RESULT	10		
	5514582-3		
	APPLICANT: CAPON, DANIEL J.; LASKY, LAURENCE A.		
	TITLE OF INVENTION: RECOMBINANT DNA ENCODING HYBRID		
	IMMUNOLOGICALS		
	NUMBER OF SEQUENCES: 43		
	CURRENT APPLICATION DATA:		
	APPLICATION NUMBER: US/08/185,670		
	FILING DATE: 21-JAN-1994		
	PRIOR APPLICATION DATA:		
	APPLICATION NUMBER: 986,931		
	FILING DATE: 08-DEC-1992		
	APPLICATION NUMBER: 808,122		
	FILING DATE: 16-DEC-1991		
	APPLICATION NUMBER: 440,625		
	FILING DATE: 22-NOV-1989		
	APPLICATION NUMBER: 315,015		
	FILING DATE: 23-FEB-1989		
	SEQ ID NO:3:		
	LENGTH: 2214		
	5514582-3		
Query Match	37.9%	Score 856.8;	DB 6; Length 2214;
Best Local Similarity	73.48;	Pred. No. 4.1e-242;	
Matches 1160; Conservative	0;	Mismatches 392;	Indels 28; Gaps
Qy	92	GGGCTGCAGAAAGACTAGAGAGGACCAAGCAAGCCATATTTTCATGGAAATGTCA	151
Db	69	ggccgcgcagagagactcgcgagagagaccgcagccagccacgacgctgttccatctgagatgga	128
Qy	152	GAGCACCAGAGGAGCTTATGGAACATCTTCAAGTTGTGGGGTGAGCAATCCTCTGTTG	211
Db	129	gggtacttactcggggtcgcgagaaacatcccgaaagctgtggtgctggaacactgctctgtg	188
Qy	212	TCATTTCTGCGCAATCATGGAACCTACTGCTGACTTACCATTTATTCGAAAAACCAT	271
Db	189	tgacttccctgataaaccaatggaactcaactcgttggaacttaccattatctcgaaaaagccat	248
Qy	272	GAACTGGCAAAAGGGCTAGAAATTTCTGCCGAGCAATTAACAGATTTTGTGGCCATACA	331
Db	249	gaactcgggaaaaatcgtgaaaaagtcctgcgaagcaaaaattacacgaatttgctgccataca	308
Qy	332	AAACAAGCGGAAATTTGAGTATCTGGAAGAGACTTGCCCTTCAGTCTTTACTACTG	391
Db	309	aaacaaagagaaattgagatattagagaaatcatggtccaaagaagcccttactactg	368
Qy	392	GATAGGATCCGGAAGATAGAGAGAAATATGAGACTGGTGGTGGGAACCAAAATCTCTAC	451
Db	369	gataagaaatcagaaatctgggaaatcgtggaactggtggaacccaacaaaactctac	428
Qy	452	TCGAACAACAAGAACTGGGAGATGGTGAGCCCAACAAACAAAGAACAGAGAGACTG	511
Db	429	taaaagaaagagaaactcgtgggtgtcgtggggagcccaacaaagaagttccaaagagagactg	488
Qy	512	CGTGAAGATCTATATCAAGAGAAACAAAGATGCAAGGCCAAATGGACGATGACGCTGCCA	571

QY 1227 AGTATGAATGACCCATTTAAATGCGCTTGTGTAAGAAAAATTTGGAACTATAAAA 1286
 Db 308 AGTATGAATGACCCATTTAAATGCGCTTGTGTAAGAAAAATTTGGAACTATAAAA 367
 QY 1287 TCATAGATGCTTTAAATCCCTTCATGAAAGCTTTTGTGTGTGACCTCTAGCTAA 1346
 Db 368 TCATAGATGCTTTAAATCCCTTCATGAAAGCTTTTGTGTGTGACCTCTAGCTAA 427
 QY 1347 ACATGAAGTGTG-TTCCTTCAGTGCATGTGGAGATTTTCAACCGACCAACAGTTCCTT 1405
 Db 428 ACATGAAGTGTGTTCCTTCAGTGCATGTGGAGATTTTCAACCGACCAACAGTTCCTT 487
 QY 1406 CAGCTTCATTTGCGCCCTCATTTATCCCTCAACCCCGACAGGTGTTTATACAGC 1465
 Db 488 CAGCTTCATTTCAACCCCTCATTTATCCCTCAACCCCGACAGGTGTTTATACAGC 547
 QY 1466 TCACCTTTTGTCTTTTCTGTGAGGAAAAAATAAGACAT-AAGGGAAGAGATTCATGT 1524
 Db 548 TCACCTTTTGTCTTTTCTGTGAGGAAAAAATAAGACATTAAGGGAAGAGATTCATGT 607
 QY 1525 GGAATATTAAGATGCTGACCTTGTCTCTTTCTGACCTTTTTCAGTTTCAATTCAGT 1584
 Db 608 GGAATATTAAGATGCTGACCTTGTCTCTTTCTGACCTTTTTCAGTTTCAATTCAGT 667
 QY 1585 GCTGTACTGTATGACAGACACTTCTAAATGAAGTGCATAATTGATATGTAATATG 1644
 Db 668 GCTGTACTGTATGACAGACACTTCTAAATGAAGTGCATAATTGATATGTAATATG 727
 QY 1645 GACCTAGTTTCTTGACGATCAATTTACAGTCTCTTCTGTATACGTGTGAGTACACT 1704
 Db 728 GACCTAGTTTCTTGACGATCAATTTACAGTCTCTTCTGTATACGTGTGAGTACACT 786
 QY 1705 CTATATGAAGATTCAAAAAGTCTACGCTCTCTCTTTCTTCTAACCTCCAGTAATATG 1764
 Db 787 CT-----ATGAGTCAAAAAGTCTACGCTCTCTCTTTCTTCTAACCTCCAGTAATATG 841
 QY 1765 GGTCTCTCTCAAGTTGAAAGAGTCTATTTGACATGTAGCCCTGCGCTGTGTGAATGGA 1824
 Db 842 GGTCTCTCTCAAGTTGAAAGAGTCTATTTGACATGTAGCCCTGCGCTGTGTGAATGGA 901
 QY 1825 CCATCCATTTAATGCTGCTCAGGCCCTCCCACTCTTCTAGCCACTCTCTTTTACGT 1884
 Db 902 CCATCCATTTAATGCTGCTCAGGCCCTCCCACTCTTCTAGCCACTCTCTTTTACGT 960
 QY 1885 TGGCTGACCTTCAACACTAGCATCTCATGATGCGCAAGAAAAGAGAGAAGAGAAAT 1944
 Db 961 TGGCTGACCTTCAACACTAGCATCTCATGATGCGCAAGAAAAGAGAGAAGAGAAAT 1020
 QY 1945 AGCCTGCGGGTTTTAGTTTGGGGTTTTGCTTCTTCTTTATGAGACCAATTCCTA 2004
 Db 1021 AGCCTGCGGGTTTTAGTTTGGGGTTTTGCTTCTTCTTTATGAGACCAATTCCTA 1080
 QY 2005 TTTCTTATATCAATGTTTCTTTTATCAGATATATATTAAGAAAACATCTGAAAT 2064
 Db 1081 TTTCTTATATCAATGTTTCTTTTATCAGATATATATTAAGAAAACATCTGAAAT 1140
 QY 2065 GCTAGTGCAGAGTACATCTCTTTGATGTCAATGGAAGAGTTTAAAAACAGTGGAGAAAT 2124
 Db 1141 GCTAGTGCAGAGTACATCTCTTTGATGTCAATGGAAGAGTTTAAAAACAGTGGAGAAAT 1200
 QY 2125 TCCCTGATTCACAATGAATGCTCTCTTCCCTGCGCCCGACAACTTTTATCCACTTAC 2184
 Db 1201 TCCCTGATTCACAATGAATGCTCTCTTCCCTGCGCCCGACAACTTTTATCCACTTAC 1260
 QY 2185 CTGATATTCATATTCCTTTAAATTTTCAATCTGAGGCTCCCTCAACCCGAC 2235
 Db 1261 CTGATATTCATATTCCTTTAAATTTTCAATCTGAGGCTCCCTCAACCCGAC 1311

RESULT 9
 US-08-513-278-3
 ; Sequence 3, Application US/08513278
 ; Patent No. 5840844

; GENERAL INFORMATION:
 ; APPLICANT: LASKY, LAURENCE A.
 ; APPLICANT: STACHELL, SCOTT E.
 ; APPLICANT: ROSEN, STEVEN D.
 ; APPLICANT: SINGER, MARK S.
 ; APPLICANT: YEDNICK, TED A.
 ; TITLE OF INVENTION: LYMPHOCYTE HOMING RECEPTORS
 ; NUMBER OF SEQUENCES: 6
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 460 Point San Bruno Blvd
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 ;
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: patin (Genentech)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/513,278
 ; FILING DATE: 10-AUG-1995
 ; CLASSIFICATION: 5330
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/059027
 ; FILING DATE: 06-MAY-1993
 ; APPLICATION NUMBER: 07/786149
 ; FILING DATE: 31-OCT-1991
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 07/315015
 ; FILING DATE: 23-FEB-1989
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Dregier, Ginger R.
 ; REGISTRATION NUMBER: 33,055
 ; REFERENCE/DOCKET NUMBER: 565D1C1
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 415/225-3216
 ; TELEFAX: 415/952-9881
 ; TELEX: 910/371-7168
 ; INFORMATION FOR SEQ ID NO: 3:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 2214 bases
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ;
 ; US-08-513-278-3
 ;
 ; Query Match 37.9%; Score 856.8; DB 2: Length 2214;
 ; Best Local Similarity 73.4%; Pred. No. 4,1e-242;
 ; Matches 1160; Conservative 0; Mismatches 392; Indels 28; Gaps 4;
 ;
 QY 92 GGGCTGACAGAACTAGAGAGGAGCAAGCAAGCATGATATTTCCATGGAATGTCA 151
 Db 69 GGGCTGACAGAACTAGAGAGGAGCAAGCAAGCATGATATTTCCATGGAATGTCA 128
 QY 152 GAGCACCACAGAGGACTTTGGAACATCTTCAAGTTGTGGGGGTGACAACTCTGTG 211
 Db 129 GGGTACTTACTGGGCTCCAGCAACATCCTGAAGCTGTGGTCTGTGACACTCTGTG 188
 QY 212 TGAATTCCTGGGCAATCAATGGAACCTACGTCGAGTTCACATTAATTCGAAAAACCAT 271
 Db 189 TGAATTCCTGGATACCAATGGAACCTACGTCGAGTTCACATTAATTCGAAAAACCAT 248
 QY 272 GAACCTGCAAGGGCTAGAGATTCCTGCGAGACATTTACAGATTTAGTTGCATACA 331
 Db 249 GAACCTGCAAGGGCTAGAGATTCCTGCGAGCAAAATTTACAGATTTAGTGCATACA 308
 QY 332 AAACAAGCGGAATTTAGTATCTGAGAGAACTCTGCCCTTCAGTCTTCTACTACTG 391
 Db 309 AAACAAGAGAGAAATTTAGTATTTAGAGAAATTCATTCGCCCAAAAGCCCTTATTA 368

ATTORNEY/AGENT INFORMATION:
NAME: Gunnison, Jane
REGISTRATION NUMBER: 38, 479
REFERENCE/DOCKET NUMBER: CG-104 CON
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-596-9000
TELEFAX: 212-596-9090
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 1696 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-340-539A-11

Query Match 40.8%; Score 922.2; DB 1; Length 1696;
Best Local Similarity 97.8%; Pred. No. 2.1e-261;
Matches 989; Conservative 0; Mismatches 13; Indels 9; Gaps 5;

OY 1227 AGTATGAATGACCCATTTAAATCCGCCCTTGGTGAAGAAATTTCTTGAAATACATAAAA 1286
DB 308 AGTATGAATGACCCATTTAAATCCGCCCTTGGTGAAGAAATTTCTTGAAATACATAAAA 367
OY 1287 TCATGAGATCCTTTAAATCCTTCATGAAAGCTTTTGTGGTGACCTCTACCTCA 1346
DB 368 TCATGAGATCCTTTAAATCCTTCATGAAAGCTTTTGTGGTGACCTCTACCTCA 427
OY 1347 ACATGAAGTGTG-TTCCTTCAGTGCATCTGGAGAGATTTCTACCCGACCAAGTTCTCT 1405
DB 428 ACATGAAGTGTGTTCTTCAGTGCATCTGGAGAGATTTCTACCCGACCAAGTTCTCT 487
OY 1406 CAGCTTCATTTCCGCCCTCATTTATCCCTCAACCCCGACCAAGCTTTATACAC 1465
DB 488 CAGCTTCATTTCCGCCCTCATTTATCCCTCAACCCCGACCAAGCTTTATACAC 547
OY 1466 TCAGCTTTTGTCTTTCTGAGAGAAACAATAGACCAT-AAGGAAAGGATTCATGT 1524
DB 548 TCAGCTTTTGTCTTTCTGAGAGAAACAATAGACCATTAAGGAAAGGATTCATGT 607
OY 1525 GGAATATAAAGATGCTGACTTGTCTTCTTGAACCTTGTGTTTCACTTCAATTCAGT 1584
DB 608 GGAATATAAAGATGCTGACTTGTCTTCTTGAACCTTGTGTTTCACTTCAATTCAGT 667
OY 1585 GCTGACTTGAAGACACTTCTTAATGAGTGCMAATTTGATACATATGTGAATATG 1644
DB 668 GCTGACTTGAAGACACTTCTTAATGAGTGCMAATTTGATACATATGTGAATATG 727
OY 1645 GACTGATTTCTGACAGTCAAAATTTACGTCGCTTCTGTATCTGTGAGAGTACACT 1704
DB 728 GACTGATTTCTGACAGTCAAAATTTACGTCGCTTCTGTATCTGTGAGAGTACACT 786
OY 1705 CTTATAGAAAGTCAAAAGTCTACGCTCTCTTCTTCTTCACTCCAGTGAAGTAATGG 1764
DB 787 CT-----ATGAAGTCAAAAGTCTACGCTCTCTTCTTCTTCACTCCAGTGAAGTAATGG 841
OY 1765 GGTCTGCTCAAGTTGAAAGATCTCTATTTTGACGTGACCTGGCCGCTGTGAATTGA 1824
DB 842 GGTCTGCTCAAGTTGAAAGATCTCTATTTTGACGTGACCTGGCCGCTGTGAATTGA 901
OY 1825 CCATCCTATTTAACTGGCTTCAGGCCCTCCACCTTCTTCACGCCACCTCTTTTTCAGT 1884
DB 902 CCATCCTATTTAACTGGCTTCAGGCCCTCCACCTTCTTCACGCCACCTCTTTTTCAGT 960
OY 1885 TGGCTGACTCCACACCTAGCATCTCATGAGTGCACCAAGCAAAAGAGAGAGAAAT 1944
DB 961 TGGCTGACTCCACACCTAGCATCTCATGAGTGCACCAAGCAAAAGAGAGAAAT 1020
OY 1945 AGCCGCGCGGTTTTTGTGTTGGGGGTTTTGCTTCTCTTTTATGAGACCATTTCTTA 2004
DB 1021 AGCCGCGCGGTTTTTGTGTTGGGGGTTTTGCTTCTCTTTTATGAGACCATTTCTTA 1080

OY 2005 TTCTTATAGTCAATGTTTCTTTTATCAGATATTTAGTAAGAAACATCAGTGAAT 2064
DB 1081 TTCTTATAGTCAATGTTTCTTTTATCAGATATTTAGTAAGAAACATCAGTGAAT 1140
OY 2065 GCTAGCTCAAGTACATCTCTTTGATGTCATATGAGAGATTTAAACAGGTGAGAAAT 2124
DB 1141 GCTAGCTCAAGTACATCTCTTTGATGTCATATGAGAGATTTAAACAGGTGAGAAAT 1200
OY 2125 TCCTGATTCACAAATGAGTGTCTCCCTTCCCGCCCGCCGCAAGCTTTATCCACTTAC 2184
DB 1201 TCCTGATTCACAAATGAGTGTCTCCCTTCCCGCCCGCCGCAAGCTTTATCCACTTAC 1260
OY 2185 CTAGATTTACATATTTCTTTAAATTTGATCAGGCTCCCTCAACCCAC 2235
DB 1261 CTAGATTTACATATTTCTTTAAATTTGATCAGGCTCCCTCAACCCAC 1311

RESULT 8

US-08-461-592B-11
Sequence 11, Application US/08461592B
Patent No. 5834425

GENERAL INFORMATION:

APPLICANT: Tedder, Thomas F.
APPLICANT: Kansas, Geoffrey S.
TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESS: Weingarten, Schurgin, Gagnebin & Hayes
STREET: Ten Post Office Square
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,592B
FILING DATE:

CLASSIFICATION: 514

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/340,539
FILING DATE: 16-NOV-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/008,459
FILING DATE: 25-JAN-1993

ATTORNEY/AGENT INFORMATION:

NAME: James F. Haley, Jr.
REGISTRATION NUMBER: 27,794
REFERENCE/DOCKET NUMBER: CG-104
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 596-9000
TELEFAX: (212) 596-9090
TELEX: 14-8367

INFORMATION FOR SEQ ID NO: 11:

SEQUENCE CHARACTERISTICS:
LENGTH: 1696 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-461-592B-11

Query Match 40.8%; Score 922.2; DB 2; Length 1696;
Best Local Similarity 97.8%; Pred. No. 2.1e-261;
Matches 989; Conservative 0; Mismatches 13; Indels 9; Gaps 5;


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OY 644 AGAATCATATATCAACACCTGCAACTGTGATGGGGTACTATGAGGCCCAAGTGTCA 703
    |||||||
Db 607 AGAATCATATATATTTACACCTGCAACTGTGATGGGGTACTATGAGGCCCAAGTGTCA 666
OY 704 GCTGTGATTCAGTGTGAGACCTTTGGAGGCCCAAGCTGGGTACCATGAGTGTACTCA 763
    |||||||
Db 667 GTTTTGTATTCAGTGTGAGACCTTTGGAGGCCCAAGCTGGGTACCATGAGTGTACTCA 726
OY 764 CCCCTTTGAACTTCAGTGTGAGACCTTCAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 823
    |||||||
Db 727 CCCCTTTGAACTTCAGTGTGAGACCTTCAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 786
OY 824 CTTAATCGGATTTGAGAAACCACTGTGAGACCTTTGGAACCTGTCTCCAGAAC 883
    |||||||
Db 787 CTTAATCGGATTTGAGAAACCACTGTGAGACCTTTGGAACCTGTCTCCAGAAC 846
OY 884 AACCTGTCAAGTGTGAGTGTGAGCTGTCTATACGACCAAGATTTGGGATCATGAACTG 943
    |||||||
Db 847 AACCTGTCAAGTGTGAGTGTGAGCTGTCTATACGACCAAGATTTGGGATCATGAACTG 906
OY 944 TAGCATCCCGGAGCTGTGAGCTGTCTGATGATGATGATGATGATGATGATGATGATG 1003
    |||||||
Db 907 TAGCATCCCGGAGCTGTGAGCTGTCTGATGATGATGATGATGATGATGATGATGATG 966
OY 1004 AACCTAGTTAATTTGGAGAAAGAAACATTTGTGAATCATCTGGAATCTGTCAAATCC 1063
    |||||||
Db 967 AACCTAGTTAATTTGGAGAAAGAAACATTTGTGAATCATCTGGAATCTGTCAAATCC 1026
OY 1064 TAGTCCAAATATGTCAAAAATTTGGACAAAAGTTTCTCAATGATTAAAGAGGATTAATA 1123
    |||||||
Db 1027 TAGTCCAAATATGTCAAAAATTTGGACAAAAGTTTCTCAATGATTAAAGAGGATTAATA 1086
OY 1124 CCCCCTTTGATTCAGTGTGAGGAGCTGATGATGATGATGATGATGATGATGATGATG 1183
    |||||||
Db 1087 CCCCCTTTGATTCAGTGTGAGGAGCTGATGATGATGATGATGATGATGATGATGATG 1146
OY 1184 TTGGCTGCGAAGAGATTTAAAAAAGGCAAGAAATCCAAAGAAATGATGATGATGATG 1243
    |||||||
Db 1147 TTGGCTGCGAAGAGATTTAAAAAAGGCAAGAAATCCAAAGAAATGATGATGATGATG 1206
OY 1244 TTTAAATCGCCCTTTGGTGAAGAAATTTCTTGAATCTAAATAATCATGATGATGATG 1303
    |||||||
Db 1207 TTTAAATCGCCCTTTGGTGAAGAAATTTCTTGAATCTAAATAATCATGATGATGATG 1266
OY 1304 TCCCTCCATGAAAGCTTTTGTGTGGGACCTCTAGCTCAAAATGATGATGATGATGATG 1362
    |||||||
Db 1267 TCCCTCCATGAAAGCTTTTGTGTGGGACCTCTAGCTCAAAATGATGATGATGATGATG 1326
OY 1363 TTTCAGTGTGATGAGAGATTTCTACCCGACCAAGATTTCTTCAAGCTTTCCATTCGCC 1422
    |||||||
Db 1327 TTTCAGTGTGATGAGAGATTTCTACCCGACCAAGATTTCTTCAAGCTTTCCATTCGCC 1386
OY 1423 CTCATTTATCCCTCAACCCCAAGCCACAGGTTTATACAGCTCAAGCTTTTGTCTTTT 1482
    |||||||
Db 1387 CTCATTTATCCCTCAACCCCAAGCCACAGGTTTATACAGCTCAAGCTTTTGTCTTTT 1446
OY 1483 CTGAGAGAGAAACAAATTAAGACCAT - AAGGGAAGATTCATGATGATTAAGATGGT 1541
    |||||||
Db 1447 CTGAGAGAGAAACAAATTAAGACCATTAAGGGAAGATTCATGATTAAGATGGT 1506
OY 1542 GACTTTGGCTTTCTTGAATCTTTGATTTTCAATTCAGTGTGATGATGATGATGATGATG 1601
    |||||||
Db 1507 GACTTTGGCTTTCTTGAATCTTTGATTTTCAATTCAGTGTGATGATGATGATGATGATG 1566
OY 1602 ACACCTTTAATTAAGAGTGAACAAATTTGATATGATGATTAAGATGATGATGATGATG 1661
    |||||||
Db 1567 ACACCTTTAATTAAGAGTGAACAAATTTGATATGATGATTAAGATGATGATGATGATG 1626
OY 1662 GATCAAAATTTACGCTGCTCTGTATCTGTGAGAGTCACTCTTATGAAAGTTCAAA 1721
    |||||||
Db 1627 GATCAAAATTTACGCTGCTCTGTATCTGTGTATAC - GTGAGAGTACACTCT - - - - ATGAAAGTCAA 1680
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OY 1722 AAGTCTACGCTCTCTCTTTCTTTCTTAACCTCAGTGAAGTAAAGGGTCTGCTCAAGTTGA 1781
    |||||||
Db 1681 AAGTCTACGCTCTCTCTTTCTTTCTTAACCTCAGTGAAGTAAAGGGTCTGCTCAAGTTGA 1740
OY 1782 AAGAGTCTATTGTGACGCTTACCTGCGCGTGTGGAATTGACATCTTATTAACTGG 1841
    |||||||
Db 1741 AAGAGTCTATTGTGACGCTTACCTGCGCGTGTGGAATTGACATCTTATTAACTGG 1800
OY 1842 CTTGAGGCTCCCGCACTCTTCAAGCAGCTCTCTTTTCACTGATGATGATGATGATGATG 1901
    |||||||
Db 1801 CTTCA - GCTTCCCGCACTCTTCAAGCAGCTCTCTTTTCACTGATGATGATGATGATG 1859
OY 1902 TAGCATCTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1961
    |||||||
Db 1860 TAGCATCTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1919
OY 1962 AGTTTGGGGGTTTGTCTGTTCTTTTATGAAACCATTCCTATTCTTATGTCATGT 2021
    |||||||
Db 1920 AGTTTGGGGGTTTGTCTGTTCTTTTATGAAACCATTCCTATTCTTATGTCATGT 1979
OY 2022 TTTCTTTATCAGATATTTATGTAAGAAACATCATGTAATGCTAGCTGCAAGTGA 2081
    |||||||
Db 1980 TTTCTTTATCAGATATTTATGTAAGAAACATCATGTAATGCTAGCTGCAAGTGA 2039
OY 2082 TCTCTTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2141
    |||||||
Db 2040 TCTCTTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2099
OY 2142 AATGCTCTCTTTCCCTGCCCCCAGAACTTTTATTCACCTTACCTTATGATGATGATG 2201
    |||||||
Db 2100 AATGCTCTCTTTCCCTGCCCCCAGAACTTTTATTCACCTTATGATGATGATGATG 2159
OY 2202 TTTAAATTCATCTCAGAGGCTCCCTCAACCCGAC 2235
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Db 2160 TTTAAATTCATCTCAGAGGCTCCCTCAACCCGAC 2193
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RESULT 6
514582-1
: Patent No. 5514582
: APPLICANT: CARON, DANIEL J.; LASKY, LAURENCE A.
: TITLE OF INVENTION: RECOMBINANT DNA ENCODING HYBRID
: IMMUNOLOGICALS
: NUMBER OF SEQUENCES: 43
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/185,670
: FILING DATE: 21-JAN-1994
: PRIORITY APPLICATION DATA:
: APPLICATION NUMBER: 986,931
: FILING DATE: 08-DEC-1992
: APPLICATION NUMBER: 808,122
: FILING DATE: 16-DEC-1991
: APPLICATION NUMBER: 440,625
: FILING DATE: 22-NOV-1989
: APPLICATION NUMBER: 315,015
: FILING DATE: 23-FEB-1989
: SEQ ID NO:1:
: LENGTH: 1829
514582-1
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Query Match 65.0%; Score 1469.2; DB 6; Length 1829;
Best Local Similarity 90.3%; Pred. No. 0;
Matches 1667; Conservative 0; Mismatches 3; Indels 176; Gaps 2;

OY 1 GAATTCAGATGCTGCTGCTTCTCACTGACGACAGACACTCCCTTTGGCAAGAGACT 60
    |||||||
Db 1 gaattcagatgctgctgcttctcaactgacgacagacactccctttggcaagagacct 60

OY 61 GAGACCTTGTGCTAAGTCAAGAGGCTCAATGGGCTGCGAAGAACTAGAGAAGACCAA 120
    |||||||
Db 61 gagaccttgtgctaaagtcaagagacctcaatgggctgcgaaagaaactagagaagaccaa 120
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|||||
Db 1507 GACTTGGCTCTTCTTGGACTCTGTTTCAAGTTCAATTCAGCTGCTGATGATGACAG 1566
Qy 1602 ACACCTCTAAATGAATGCAAAATTTGATCATATGATGAAATGAGACTGTTTCTGCA 1661
Db 1567 ACACCTCTAAATGAATGCAAAATTTGATCATATGATGAAATGAGACTGTTTCTGCA 1626
Qy 1662 GATCAAAATTTGACAGTCTGCTCTGATATGAGAGTACACTCTTATGAAAAGTTCAAA 1721
Db 1627 GATCAAAATTTGCGCGTCTCTGTATATAC-GTGGAGGTACACTCT-----ATGAGTCA 1680
Qy 1722 AGGTACAGCTCTCTCTTCTTCTTAATCTCAATGAAATGAGGTCTGCTCAAGTTGA 1781
Db 1681 AAGTCTACGCTCTCTCTTCTTCTTAATCTCAATGAAATGAGGTCTGCTCAAGTTGA 1740
Qy 1782 AAGATCTCATTTGACAGTCTGAGCTGCGCTGTAATGAGACATCTATTTAACTGG 1841
Db 1741 AAGATCTCATTTGACAGTCTGAGCTGCGCTGTAATGAGACATCTATTTAACTGG 1800
Qy 1842 CTTCAGGCTCTCCCACTCTCTTCAAGCACTCTCTTCTTCAAGTGGCTGACTTCCACACC 1901
Db 1801 CTTCAGGCTCTCCCACTCTCTTCAAGCACTCTCTTCTTCAAGTGGCTGACTTCCACACC 1859
Qy 1902 TAGCATCTCATGATGCTCCAGCAAGAAAAGAGAGAGAAATAGCTGCGGCTTTT 1961
Db 1860 TAGCATCTCATGATGCTCCAGCAAGAAAAGAGAGAAATAGCTGCGGCTTTT 1919
Qy 1962 AGTTGGGGGTTTCTGCTCTTCTTCTTGAAGACCATTCCTATTTGATGCTCAATGT 2021
Db 1920 AGTTGGGGGTTTCTGCTCTTCTTCTTGAAGACCATTCCTATTTGATGCTCAATGT 1979
Qy 2022 TTTCTTTATFACAGATATTTAGTAAGAAAACATCAGTAATGCTAGCTGCAAGTACA 2081
Db 1980 TTTCTTTATFACAGATATTTAGTAAGAAAACATCAGTAATGCTAGCTGCAAGTACA 2039
Qy 2082 TCTCTTATGTCATATGAGAGAGTTAAACAGGTGGAGAAATTCCTGATTCACAAAGA 2141
Db 2040 TCTCTTATGTCATATGAGAGAGTTAAACAGGTGGAGAAATTCCTGATTCACAAAGA 2099
Qy 2142 AATGCTCTCTTCCCTGCCCCAGAACTTTATCCACTTACCTAGATTCATATTC 2201
Db 2100 AATGCTCTCTTCCCTGCCCCAGAACTTTATCCACTTACCTAGATTCATATTC 2159
Qy 2202 TTTAAATTTCAATCAGGCTCTCCCTCAACCCAC 2235
Db 2160 TTTAAATTTCAATCAGGCTCTCCCTCAACCCAC 2193

RESULT 5
US-08-461-592B-1
Sequence 1, Application US/08461592B
Patent No. 5834425
GENERAL INFORMATION:
APPLICANT: Tedder, Thomas F.
APPLICANT: Kansas, Geoffrey S.
TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS
NUMBER OF INVENTIONS: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Weingarten, Schuigin, Gagnebin & Hayes
STREET: Ten Post Office Square
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,592B
FILING DATE:

CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/340,539
FILING DATE: 16-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/008,459
FILING DATE: 25-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: James F. Haley, Jr.
REGISTRATION NUMBER: 27,794
REFERENCE/DOCKET NUMBER: CG-104
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 596-9000
TELEFAX: (212) 596-9090
TELEX: 14-8367
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2330 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 53..1210
US-08-461-592B-1

Query Match 92.4%; Score 2087.6; DB 2; Length 2330;
Best Local Similarity 98.5%; Pred. No. 0;
Matches 2161; Conservative 0; Mismatches 24; Indels 9; Gaps 5;

Qy 44 CCCTTTGCAAGGACCTGACCCCTTGTGCTAAGTCAAGGCTCAATGGGCTGCAGAG 103
Db 7 CCTTTGGCAAGGACCTGACCCCTTGTGCTAAGTCAAGGCTCAATGGGCTGCAGAG 66
Qy 104 AACTAGAGAAAGGACCAAGCAAGCCATGATTTCCATGGAATGTAGAGCCCGGAG 163
Db 67 AACTAGAGAAAGGACCAAGCAAGCCATGATTTCCATGGAATGTAGAGCCCGGAG 126
Qy 164 GGACTTATGGAACATCTTCAAGTTGTGGGGGTGACAAATGCTGTGATTTCCTGCG 223
Db 127 GGACTTATGGAACATCTTCAAGTTGTGGGGGTGACAAATGCTGTGATTTCCTGCG 186
Qy 224 ACATCATGGAACCTTACTGCTGAGCTTACCATTTCTTGAAAAAACCATGAGTGGCAA 283
Db 187 ACATCATGGAACCGACCTGCTGAGCTTACCATTTCTTGAAAAAACCATGAGTGGCAA 246
Qy 284 GCGTAGAAGATTCGCGGAGCAATTACACAGATTTAGTGGCATTCAAAAGGCGGA 343
Db 247 GCGTAGAAGATTCGCGGAGCAATTACACAGATTTAGTGGCATTCAAAAGGCGGA 306
Qy 344 AATTGATATCTGAGAAAGCTTGCCTTCAGTGTCTTACTAGTGAATGCAATCCG 403
Db 307 AATTGATATCTGAGAAAGCTTGCCTTCAGTGTCTTACTAGTGAATGCAATCCG 366
Qy 404 GAGATAGGAGATATGAGACGTGGGTGGGAACCAAAATCTCTACTGAGAACAGAGA 463
Db 367 GAGATAGGAGATATGAGACGTGGGTGGGAACCAAAATCTCTACTGAGAACAGAGA 426
Qy 464 GAACTGGGAGATGTGAGCCCAACAAGAGAAAGAGAGAGAGTGGGTGAGATCTTA 523
Db 427 GAACTGGGAGATGTGAGCCCAACAAGAGAAAGAGAGAGTGGGTGAGATCTTA 486
Qy 524 TATCAAGAGAAACAAAGATGAGCAAAATGAAAGATGAGCCCTGCAACAACTAAAGC 583
Db 487 TATCAAGAGAAACAAAGATGAGCAAAATGAAAGATGAGCCCTGCAACAACTAAAGC 546
Qy 584 AGCCCTCTGTTAAGAGCTTCTTGGCAGCCCTGTATGATGAGTGGCCATGAGAGATGT 643
Db 547 AGCCCTCTGTTAAGAGCTTCTTGGCAGCCCTGTATGATGAGTGGCCATGAGAGATGT 606

TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: FISH & NEAVE
STREET: 1251 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10020
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/340,539A
FILING DATE: 16-NOV-1994
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/008,459
FILING DATE: 25-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Gunnison, Jane
REGISTRATION NUMBER: 38,479
REFERENCE/DOCKET NUMBER: CG-104 CON
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-596-9000
TELEFAX: 212-596-9090
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2330 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 53..1207
US-08-340-539A-1

Query Match 92.4%; Score 2087.6; DB 1; Length 2330;
Best Local Similarity 98.5%; Pred. No. 0;
Matches 2161; Conservative 0; Mismatches 24; Indels 9; Gaps 5;

QY 44 CCCTTGGCAAGGACCTGAGCCCTTGTCTAAGTCAAGAGGCTCAATGGGCTGCAGAG 103
DB 7 CCTTGGGCAAGGACCTGAGCCCTTGTCTAAGTCAAGAGGCTCAATGGGCTGCAGAG 66
QY 104 AACTAGAGAGGACCAAGCAAGCCATGATATTTCCATGGAATGTCAGAGCACCAGAG 163
DB 67 AACTAGAGAGGACCAAGCAAGCCATGATATTTCCATGGAATGTCAGAGCACCAGAG 126
QY 164 GGACTTATGGAACATCTTCAAGTTGTGGGGTGAGCAATGCTCTGTTGATTTCTGTGC 223
DB 127 GGACTTATGGAACATCTTCAAGTTGTGGGGTGAGCAATGCTCTGTTGATTTCTGTGC 186
QY 224 ACATATGGAACCTACTGTGTGACTTACCATATTTCTGAAAAAACCATGAACTGGCAAG 283
DB 187 ACATATGGAACCTACTGTGTGACTTACCATATTTCTGAAAAAACCATGAACTGGCAAG 246
QY 284 GGCCTAGAGATTTCTCCGAGACATTTACACAGATTTAGTTGCCATACAAAGGCGGA 343
DB 247 GGCCTAGAGATTTCTCCGAGACATTTACACAGATTTAGTTGCCATACAAAGGCGGA 306
QY 344 AATTGAGTATCTGAGAGACATCTGCCCTTCAAGTGGTTCTTACTACTGATAGAAATCGG 403
DB 307 AATTGAGTATCTGAGAGACATCTGCCCTTCAAGTGGTTCTTACTACTGATAGAAATCGG 366
QY 404 GAAGATAGAGGAATATGAGAGCTGGTGGGAACCAAAATCTCTCAGCTGAAGAGCAGA 463
DB 367 GAAGATAGAGGAATATGAGAGCTGGTGGGAACCAAAATCTCTCAGCTGAAGAGCAGA 426

QY 464 GAACCTGGAGATGTGTAGCCCAACAACAAGAGAGAGTCCGTGAGATCTA 523
DB 427 GAACCTGGAGATGTGTAGCCCAACAACAAGAGAGAGTCCGTGAGATCTA 486
QY 524 TATCAAGAGAAACAAGATGACAGCAATGAAACATGACGCTGCCACAACTAAAGCC 583
DB 487 TATCAAGAGAAACAAGATGACAGCAATGAAACATGACGCTGCCACAACTAAAGCC 546
QY 584 AGCCCTCTGTACAGAGCTTTGGCCAGCCCTGTGATGACAGTGGCCATGAGAAATGTCT 643
DB 547 AGCCCTCTGTACAGAGCTTTGGCCAGCCCTGTGATGACAGTGGCCATGAGAAATGTCT 606
QY 644 AGAAATCATCAATTAATCACACCTGCAACTGATGTGGGTACTATGAGCCCAAGTGTCA 703
DB 607 AGAAATCATCAATTAATTAACCTGCAACGTGATGTGGGTACTATGAGCCCAAGTGTCA 666
QY 704 GCTTGTGATTCAGTGTGAGCCTTTGGAGGCCCAAGAGCTGGGTACCATGAGCTGATCTCA 763
DB 667 GTTGTGATTCAGTGTGAGCCTTTGGAGGCCCAAGAGCTGGGTACCATGAGCTGATCTCA 726
QY 764 CCCCTTGGAACTTCAGCTTCAAGTCAAGTGTGCTTCACTGCTGTGAAGAAACAA 823
DB 727 CCCCTTGGAACTTCACCTTCAACTCACTCACTGCTTCACTGCTGTGAAGAAACAA 786
QY 824 CTAACTGGGATTTGAAGAAACCAACCTGTGACCATTTGGAACTGTCTCCAGAAC 883
DB 787 CTAACTGGGATTTGAAGAAACCAACCTGTGACCATTTGGAACTGTCTCCAGAAC 846
QY 884 AACCTGTCAAGTATTCAGTGTGAGCCTTATCAGACACCAAGATTTGGGATCATGACTG 943
DB 847 AACCTGTCAAGTATTCAGTGTGAGCCTTATCAGACACCAAGATTTGGGATCATGACTG 906
QY 944 TAGCCATCCCTGGCCAGCTTCAAGCTTACCTGTGATGATTCATCTGATGATGATG 1003
DB 907 TAGCCATCCCTGGCCAGCTTCAAGCTTACCTGTGATGATTCATCTGATGATGATG 966
QY 1004 AACTAGATTAATTTGGAGAGAGAAACCAATTTGTGATCATCTGGAATCTGCTCAATTC 1063
DB 967 AACTAGATTAATTTGGAGAGAGAAACCAATTTGTGATCATCTGGAATCTGCTCAATTC 1026
QY 1064 TAGTCCAAATATGTCAAAAATTTGGACAAAAGTTTCTCAATGATTAAGAGAGTATTA 1123
DB 1027 TAGTCCAAATATGTCAAAAATTTGGACAAAAGTTTCTCAATGATTAAGAGAGTATTA 1086
QY 1124 CCCCCTTCAATTCAGTGTGAGCAGTCAATGTTACTGATCTCTGGGTTGGCAATTAATCT 1183
DB 1087 CCCCCTTCAATTCAGTGTGAGCAGTCAATGTTACTGATCTCTGGGTTGGCAATTAATCT 1146
QY 1184 TTGGCTGGCAAGAGATTTAAAAAAGGCAAGAAATCCAAAGAGATGATGACCCATA 1243
DB 1147 TTGGCTGGCAAGAGATTTAAAAAAGGCAAGAAATCCAAAGAGATGATGACCCATA 1206
QY 1244 TTTAATGCCCTTGGTGAAGAAATTTCTTGAATTAATAAATCATGATCCTTTAA 1303
DB 1207 TTTAATGCCCTTGGTGAAGAAATTTCTTGAATTAATAAATCATGATCCTTTAA 1266
QY 1304 TCCCTTCCATGAAGAGTTTGTGGTGGCAGCTCTCAGCTCAAAATGAAAGTGTG -TTCC 1362
DB 1267 TCCCTTCCATGAAGAGTTTGTGGTGGCAGCTCTCAGCTCAAAATGAAAGTGTGTTC 1326
QY 1363 TTTCAGTGCATCTGGGAAGATTTCTACCCGACCAAGATTCCTTACAGCTTCCATTTGCC 1422
DB 1327 TTTCAGTGCATCTGGGAAGATTTCTACCCGACCAAGATTCCTTACAGCTTCCATTTGCC 1386
QY 1423 CTCATTTATCCTTCAACCCCAAGCCACAGGTGTTTATACAGCTCAGCTTTTGTCTTTT 1482
DB 1387 CTCATTTATCCTTCAACCCCAAGCCACAGGTGTTTATACAGCTCAGCTTTTGTCTTTT 1446
QY 1483 CTGAGAGAAACAATTAAGACAT -AAGGGAAGAGATTCATGGAATTAAGAGAGCT 1541
DB 1447 CTGAGAGAAACAATTAAGACATTAAGAGAGATTCATGGAATTAAGAGAGCT 1506
QY 1542 GACTTGTCTTCTTCACTTGTGTTTCAATTCAGTGTGATGATGACAG 1601

224 ACATCATGGAACCTTACTGCTGACTTACCATTTATCTGAAAAACCATGACATGCGCAAG 283
187 ACATCATGGAACCGACTGCTGACTTACCATTTATCTGAAAAACCATGACATGCGCAAG 246
284 GGCCTGGAAGATTCCTGCCGACAAATTACACAGATTTAGTCCCATACAAACAGCGGA 343
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344 AATTGATATCTGAGAGAGACTCTGCCCTTCTGCTGCTTCTACTGATGATGGAATCCG 403
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404 GAAATAGAGAGAAATAGAGAGCTGGTGGGAACCAACAAATCTCTACTGAAAGACAGA 463
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524 TATCAAGAGAAACAAAGATGAGAGAGCAATGAGAGAGATGAGCGCTGCCCAAACTAAAGC 583
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607 AGAAATCATCAATATATCAACCTGCACTGTGATGAGTGGGATCTATGAGGCCCACTGCA 666
704 GCTTGATATGAGTGGAGCTTGGAGAGCCAGAGCTGGGATCCATGAGACTGACTGCA 763
667 GTTGTGATATGAGTGGAGCTTGGAGAGCCAGAGCTGGGATCCATGAGACTGACTGCA 726
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787 CTTAACCTGGGATTAAGAAACACCTGCTGGACATTTGGAACTGCTATCTCCAGAAC 846
884 AACCTGCAAGTATGATGATGAGCCCTATGACACACAGATTTGGGATCATGAACTG 943
847 AACCTGCAAGTATGATGATGAGCCCTATGACACACAGATTTGGGATCATGAACTG 906
944 TAGCCATCCCTGGCCAGCTTCACTTACCTGCACTGATACCTTCACTGCTGAGAAG 1003
907 TAGCCATCCCTGGCCAGCTTCACTTACCTGCACTGATACCTTCACTGCTGAGAAG 966
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967 AACCTGATTAATTTGGGAGAAACACCTTGGAACTCATCTGGAATCTGCTCAAAATCC 1026
1064 TAGTCAATATGTCAAAATTTGACAAAAGTTCTCAATGATTAAGAGAGGTTGATTA 1123
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1147 TTGGCTGGCAAGAGATTAAGAAAGCAAGAAATCCAGAGAGATTAAGAGAGCCATA 1206
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1207 TTAAATGCGCCTTGGTGAAGAAATTTCTGGAATACTAAAAATCATGAGATCTTTAA 1266

1304 TCCTTCATGAAGAGCTTTTGTGTGGTGGACCTCTCTACGTAACATGAACTGTTCC 1362
1267 TCCTTCATGAAGAGCTTTTGTGTGGTGGACCTCTCTACGTAACATGAACTGTTCC 1326
1363 TTCAGTCAATCTGGAGAGATTTTCAACCGACCAACAGTTCCTTCAAGCTTCATTTGCCCC 1422
1327 TTCAGTCAATCTGGAGAGATTTTCAACCGACCAACAGTTCCTTCAAGCTTCATTTGCCCC 1386
1423 CTCATTTATCCCTCAACCCGCCACAGAGTGTATACAGCTCAGCTTTTGTCTTTT 1482
1387 CTCATTTATCCCTCAACCCGCCACAGAGTGTATACAGCTCAGCTTTTGTCTTTT 1446
1483 CTGAGAGAAACAAATAAGACCAT-AAAGAAAGATTCATGTAATTAATTAATGAGCT 1541
1447 CTGAGAGAAACAAATAAGACCATTAAGAGAGAAAGATTCATGTAATTAATTAATGAGCT 1506
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1507 GACTTGGCTCTTCTTGAAGCTCTTCTTCACTTCAATTCAGTCTGCTGCTGCTGCTGCTGCT 1566
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1567 ACACCTCAATTAAGAGTCAATTTGATACATATGTAATTAAGAGTCACTGCTGCTGCTGCTGCT 1626
1662 GATCAAAATTCAGCTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1721
1627 GATCAAAATTCAGCTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1680
1722 AAGTCTACGCTCTCTCTTCTTCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1781
1681 AAGTCTACGCTCTCTCTTCTTCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1740
1782 AAGTCTACGCTCTCTCTTCTTCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1841
1741 AAGTCTACGCTCTCTCTTCTTCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1800
1842 CTTGAGGCT 1901
1801 CTTGAGGCT 1859
1902 TAGCATCTCATGATGAGTCCAAAGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1961
1860 TAGCATCTCATGATGAGTCCAAAGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1919
1962 AGTTGGGGGTTTGGCTGCTTCTCTTATAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2021
1920 AGTTGGGGGTTTGGCTGCTTCTCTTATAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1979
2022 TTCTTTATCAGATATATTAAG 2081
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2082 TTCTTTATCAGATATATTAAG 2141
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2142 AATGCT 2201
2100 AATGCT 2159
2202 TTAAATTTCACTCAGAGGCTCCCTCAACGCCAC 2235
2160 TTAAATTTCACTCAGAGGCTCCCTCAACGCCAC 2193

RESULT 4
US-08-340-539A-1
; Sequence 1, Application US/08340539A
; Patent No. 5808025
; GENERAL INFORMATION:
; APPLICANT: Tedder, Thomas F.
; APPLICANT: Kansas, Geoffrey S.
; TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS

QY	1124	CCCCCTTCATTCACAGTGGACAGTCACTGGTTCTGCACTTTCCTGGGGTGGCATTTATCAT	1183
Db	1087	CCCCCTTATTTCACAGTGGACAGTCACTGGTTCTGCACTTTCCTGGGGTGGCATTTATCAT	1146
QY	1184	TTGGCTTGCGCAGAGAGATTAAAAAAGGCAAGAAATCCAAAGAGAGATGAATGACCCATA	1243
Db	1147	TTGGCTTGCGCAGAGAGATTAAAAAAGGCAAGAAATCCAAAGAGAGATGAATGACCCATA	1206
QY	1244	TTAAATCGCCCTTGGTGAAGAATAATCTTGGAAATACTAATAATCANGAGATTCCTTTAAA	1303
Db	1207	TTAAATCGCCCTTGGTGAAGAATAATCTTGGAAATACTAATAATCANGAGATTCCTTTAAA	1266
QY	1304	TTCCCTTCATGAACGTTTTGTGGTGGGACCTCCCTACGTCAACATGAACATGAGTGG - TTCC	1362
Db	1267	TTCCCTTCATGAACGTTTTGTGGTGGGACCTCCCTACGTCAACATGAACATGAGTGGTTTT	1326
QY	1363	TTACAGTGCATCTGGGAGAGATTCTACCCACCAACAGTTCCCTCAGTTCCTCATTTTCGCC	1422
Db	1327	TTACAGTGCATCTGGGAGAGATTCTACCTACCAACAGTTCCCTCAGTTCCTCATTTTCACCC	1386
QY	1423	CTCATTTATCCCTCACAACCCCAAGCCCAAGGTGTTATACAGCTCAGCTTTTGTCTTTT	1482
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QY	1483	CTGAGGGAACAACAAATTAAGCCAT - AAGGGAAGAGATTCATGTGGAATATGAATGCGT	1541
Db	1447	CTGAGGGAACAACAAATTAAGCCATTAAGGGAAGATTCATGTGGAATATGAATGCGT	1506
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Db	1507	GACATTTCCTTTCTTGAGACCTGTTTTCAGTTTCAATTCAGTGGCTGATGATGACAG	1566
QY	1602	ACACTTCTAATGAAGTGCACAAATTTGATACATATGTGAAATATGACCTCAGTTTTCTTGCA	1661
Db	1567	ACACTTCTAATGAAGTGCACAAATTTGATACATATGTGAAATATGACCTCAGTTTTCTTGCA	1626
Db	1662	GATCAAAATTTTCAGCTGCTCTCTGTATACTGTGGAGAGTACACTCTATAGAAATTCMAA	1721
Db	1627	GATCAAAATTTTCAGCTGCTCTCTGTATAC - GTGGAGAGTACACTCT - - - - ATGAAGTCAA	1680
QY	1722	AAGCTACGCTCTCTCTCTTCTTCTAATCTCAGTGAAGTAATGGGGTCTGCTCAAGTTGA	1781
Db	1681	AAGCTACGCTCTCTCTCTTCTTCTAATCTCAGTGAAGTAATGGGGTCTGCTCAAGTTGA	1740
QY	1782	AAGAGTCCATTTTGGCACTGTAGCCTGCGCCTGTGTAAATTTGACATCCATATTTAACTGG	1841
Db	1741	AAGAGTCCATTTTGGCACTGTAGAGCTGCGCGCTGTGTAAATTTGACATCCATATTTAACTGG	1800
QY	1842	CTTGAGGCTCTCCCACTCTTTCAGCACCTCTCTTTTTCAGTTGGCTGACTTCACAGC	1901
Db	1801	CTTCA - GCCCTCCCACTCTTTCAGCACCTCTCTTTTTCAGTTGGCTGACTTCACAGC	1859
QY	1902	TGACATCTCATGAGTGCACAAAGGAGAAAGAGAAATGAGCCGCGGCTTTT	1961
Db	1860	TGACATCTCATGAGTGCACAAAGGAGAAAGAGAAATGAGCCGCGCTTTT	1919
QY	1962	AGTTTGGGGTTTTGCTGTTTTCCCTTTATGAGACCCATTCCTATTTCTTAAATGCAATGT	2021
Db	1920	AGTTTGGGGTTTTGCTGTTTTCCCTTTATGAGACCCATTCCTATTTCTTAAATGCAATGT	1979
QY	2022	TTCTTTTATCAGATATATATAGTAAGAAACATCAGTGAATGCTAGCTGCAAGTACA	2081
Db	1980	TTCTTTTATCAGATATATATAGTAAGAAACATCAGTGAATGCTAGCTGCAAGTACA	2039
QY	2082	TTCTTTTATGATGTATATGGAAGTTAAACAGGTGGAGAAATTCCTTGATTCACATGA	2141
Db	2040	TTCTTTTATGATGTATATGGAAGTTAAACAGGTGGAGAAATTCCTTGATTCACATGA	2099
QY	2142	AATGCTCTCTTTTCCCTGCCCCAGAAATTTTATTCACATTACGTAGATTTCATATATTC	2201
Db	2100	AATGCTCTCTTTTCCCTGCCCCAGAACCTTTTATTCACATTACGTAGATTTCATATATTC	2159
QY	2202	TTTAAATTTTCATCTCAGGCCCTCCTTCACCCAC	2235

	RESULT	3	US-08-215-366A-1	
	Sequence 1, Application US/08215366A			
	Patent No. 5776775			
	GENERAL INFORMATION:			
	APPLICANT: Tedder, Thomas F. and Olivier G. Sperl			
	TITLE OF INVENTION: MONOCLONAL ANTIBODY TO LYMPHOCYTE-ASSOCIATED			
	NUMBER OF SEQUENCES: 1			
	CORRESPONDENCE ADDRESS:			
	ADDRESSEE: WHITE & CASE			
	STREET: 115 Avenue of the Americas			
	CITY: New York			
	STATE: NY			
	COUNTRY: USA			
	ZIP: 10036			
	COMPUTER READABLE FORM:			
	MEDIUM TYPE: Floppy disk			
	COMPUTER: IBM PC compatible			
	OPERATING SYSTEM: PC-DOS/MS-DOS			
	SOFTWARE: PatentIn Release #1.0, Version #1.25			
	CURRENT APPLICATION DATA:			
	APPLICATION NUMBER: US/08/215,366A			
	FILING DATE: 21-MAR-1994			
	CLASSIFICATION: 435			
	PRIOR APPLICATION DATA:			
	APPLICATION NUMBER: US 07/720,602			
	FILING DATE: 25-JUN-1991			
	PRIOR APPLICATION DATA:			
	APPLICATION NUMBER: US 07/313,109			
	FILING DATE: 21-FEB-1989			
	ATTORNEY/AGENT INFORMATION:			
	NAME: Nels T. Libpert			
	REGISTRATION NUMBER: 25,888			
	REFERENCE/DOCKET NUMBER: 1110684-0005			
	TELECOMMUNICATION INFORMATION:			
	TELEPHONE: (212) 819-8582			
	TELEFAX: (212) 354-8113			
	TELEX:			
	INFORMATION FOR SEQ ID NO: 1:			
	SEQUENCE CHARACTERISTICS:			
	LENGTH: 2330 base pairs			
	TYPE: nucleic acid			
	STRANDEDNESS: single			
	TOPOLOGY: linear			
	MOLECULE TYPE: CDNA			
	HYPOTHETICAL: NO			
	ANTI-SENSE: NO			
	FEATURE:			
	NAME/KEY: CDS			
	LOCATION: 53..1210			
	US-08-215-366A-1			
Query Match	92.4%	Score 2087.6;	DB 1;	Length 2330;
Best Local Similarity	98.5%;	Pred. No. 0;		
Matches 2161;	Conservative 0;	Mismatches 24;	Indels 9;	Gaps 5;
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Dd	7	CCTTTGGGCAAGGACCTTGAACCCCTTGTCATGTAAGTCAGAGAGCGCTCATAGGCGTCGAGAAG	66	
OY	104	AACGTAGAGAGAACCAAGCAAAAGCCATGATATTTCCATGGAATGTCAAGACCACCAAG	163	
Dd	67	AACGTAGAGAGAACCAAGCAAAAGCCATGATATTTCCATGGAATGTCAAGACCACCAAG	126	
OY	164	GGACTTAGGAACAACCTTCAAGTTGTGGGGGGTGGAGCAATGCCTCTGTGTGATTTCTGGC	223	
Dd	127	GGACTTAGGAACAACCTTCAAGTTGTGGGGGGTGGAGCAATGCCTCTGTGTGATTTCTGGC	186	

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DB 2101 AAGAGTTAAACAGGTGGAGAAATTCCTTGATTCACAATGAATGCTCTCCCTTCCCTG 2160
QY 2161 CCCCCAGACCTTTTATCCACTTACTAGATTCCTTAAATTTCAATCTCAGGC 2220
DB 2161 CCCCCAGACCTTTTATCCACTTACTAGATTCCTTAAATTTCAATCTCAGGC 2220
QY 2221 CTCCTCAACCCGACGGGGCGCCGACGACACTGGAATTC 2259
DB 2221 CTCCTCAACCCGACGGGGCGCCGACGACACTGGAATTC 2259

RESULT 2
US-08-481-803-1
Sequence 1, Application US/08481803
Patent No. 5679346
GENERAL INFORMATION:
APPLICANT: Tedder, Thomas F. and Olivier G. Sperlini
TITLE OF INVENTION: MONOCLONAL ANTIBODY TO LYMPOCYTE-ASSOCIATED CELL
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: FISH & NEAVE
STREET: 1251 Avenue of the Americas
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10020
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/481,803
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215,366
FILING DATE: 21-MAR-1994
APPLICATION NUMBER: US 07/720,602
FILING DATE: 25-JUN-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/313,109
FILING DATE: 21-FEB-1989
ATTORNEY/AGENT INFORMATION:
NAME: James F. Hailey, Jr.
REGISTRATION NUMBER: 27,794
REFERENCE/DOCKET NUMBER: CG-101 CON
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 596-9000
TELEFAX: (212) 596-9090
TELEX:
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2330 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 53..1210
US-08-481-803-1

Query Match 92.4%; Score 2087.6; DB 1; Length 2330;
Best Local Similarity 98.5%; Pred. No. 0;
Matches 2161; Conservative 0; Mismatches 24; Indels 9; Gaps 5;

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DB 7 CCTTTGGCAAGACCTGAGACCTTGTGCTAGTCAAGAGGCTCAATGGGCTGCAGAG 66
QY 104 AACTAGAGAGGAGCCAAAGCAAGCATGATATTTCCATGGAATGTGACAGACCCAGAG 163
DB 67 AACTAGAGAGGAGCCAAAGCAAGCATGATATTTCCATGGAATGTGACAGACCCAGAG 126
QY 164 GGACTTATGGAACATCTTCAAGGTTGTGGGGTGGACAAATGCTGTGTGATTTCTGGC 223
DB 127 GGACTTATGGAACATCTTCAAGGTTGTGGGGTGGACAAATGCTGTGTGATTTCTGGC 186
QY 224 ACATCATGGAACCTACTGCTGACTTACATTTATTTGAAAAACCATGAACTGGCAAG 283
DB 187 ACATCATGGAACCGACTGCTGACTTACATTTATTTGAAAAACCATGAACTGGCAAG 246
QY 284 GGCTAGAGAAATTCGCCGAGACAATTTACAGAGATTTAGTTCATACAAAACAGCGGA 343
DB 247 GGCTAGAGAAATTCGCCGAGACAATTTACAGAGATTTAGTTCATACAAAACAGCGGA 306
QY 344 AATTGATATGTGAGAAAGACTTGCCTTCAGTCTTCTTACTGATAGGAATCCG 403
DB 307 AATTGATATGTGAGAAAGACTTGCCTTCAGTCTTCTTACTGATAGGAATCCG 366
QY 404 GAAGATAGGAGGATATGAGCGTGGGGGAGACCAAAATCTCTCACTGAAGAGAGA 463
DB 367 GAAGATAGGAGGATATGAGCGTGGGGGAGACCAAAATCTCTCACTGAAGAGAGA 426
QY 464 GAACCTGGGAGATGCTGAGCCCAACAACAAGAAAGAGAGACTGCTGAGATCTA 523
DB 427 GAACCTGGGAGATGCTGAGCCCAACAACAAGAAAGAGAGACTGCTGAGATCTA 486
QY 524 TATCAAGAGAAACAABATGACAGCAATGAAACATGACGCTGCCAAACTAAAGGC 583
DB 487 TATCAAGAGAAACAABATGACAGCAATGAAACATGACGCTGCCAAACTAAAGGC 546
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DB 547 AGCCCTGTTTACACAGCTTCTGGCCAGCCCTGCTCATGAGAGGCAATGAAATGTG 606
QY 644 AGAATCATCAATTAATCACACCTGCACTGATGATGAGGGTACTATAGGGCCCAAGTCA 703
DB 607 AGAATCATCAATTAATTAACCTGCACTGATGATGAGGGTACTATAGGGCCCAAGTCA 666
QY 704 GCTTGTATTCAGTGTGAGCCTTTGGAAGGCCCAAGAGCTGGTACCATGAGACTGTACTCA 763
DB 667 GCTTGTATTCAGTGTGAGCCTTTGGAAGGCCCAAGAGCTGGTACCATGAGACTGTACTCA 726
QY 764 CCCCTTGGAAACTGACGCTTCAAGCTCACAGTGTGCTTCAGCTGCTGGAAGGAACAA 823
DB 727 CCCCTTGGAAACTGACGCTTCAAGCTCACAGTGTGCTTCAGCTGCTGGAAGGAACAA 786
QY 824 CTTAATCTGGGATTAAGAAACCACTGTGAGCACTTTGGAATGAGTCTCCAGAAC 883
DB 787 CTTAATCTGGGATTAAGAAACCACTGTGAGCACTTTGGAATGAGTCTCCAGAAC 846
QY 884 AACCTGTCAAGATTCAGTGTGAGCCTCTATAGACACAGATTTGGGATCATGAACTG 943
DB 847 AACCTGTCAAGATTCAGTGTGAGCCTCTATAGACACAGATTTGGGATCATGAACTG 906
QY 944 TAGCCATCCCTGGCAGGCTGAGCTTTACCTGCTGATGATGATGATGATGATGATG 1003
DB 907 TAGCCATCCCTGGCAGGCTGAGCTTTACCTGCTGATGATGATGATGATGATGATG 966
QY 1004 AACTGAGTTAATTGGGAGAGAAACCAATTTGTGATCATGATGATGATGATGATGATG 1063
DB 967 AACTGAGTTAATTGGGAGAGAAACCAATTTGTGATCATGATGATGATGATGATGATG 1026
QY 1064 TAGTCAATATGTCAAAATTTGGACAAAAGTTTCTCAATGATTAAGAGAGGATTAATA 1123
DB 1027 TAGTCAATATGTCAAAATTTGGACAAAAGTTTCTCAATGATTAAGAGAGGATTAATA 1086

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

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9321.117 Million cell updates/sec

Title: US-09-119-209-1

Perfect score: 2259

Sequence: 1 GAATTCACAGTGTGCTGGCCTT.....CCGCCACGACACTGGAATTC 2259

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 383533 seqs, 122816752 residues

Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 08
Maximum Match 1008
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2259	100.0	2259	2 US-08-513-278-1	Sequence 1, Appl
2	2087.6	92.4	2330	1 US-08-481-803-1	Sequence 1, Appl
3	2087.6	92.4	2330	1 US-08-215-366A-1	Sequence 1, Appl
4	2087.6	92.4	2330	1 US-08-340-539A-1	Sequence 1, Appl
5	2087.6	92.4	2330	2 US-08-461-592B-1	Sequence 1, Appl
6	1469.2	65.0	1829	6 5514582-1	Patent No. 5514582
7	922.2	40.8	1656	1 US-08-340-539A-11	Sequence 11, Appl
8	922.2	40.8	1656	2 US-08-461-592B-11	Sequence 11, Appl
9	856.8	37.9	2214	6 5514582-3	Patent No. 5514582
10	856.8	37.9	2214	6 5514582-3	Patent No. 5514582
11	385.2	17.1	531	1 US-08-340-539A-5	Sequence 5, Appl
12	385.2	17.1	531	2 US-08-461-592B-5	Sequence 5, Appl
13	310	13.7	1833	1 US-08-365-470-2	Sequence 2, Appl
14	310	13.7	1834	3 US-09-209-668-18	Sequence 18, Appl
15	310	13.7	3854	1 US-08-365-470-1	Sequence 1, Appl
16	310	13.7	3858	4 US-08-344-155C-98	Sequence 98, Appl
17	310	13.7	3858	4 US-09-009-490A-88	Sequence 88, Appl
18	310	13.7	3863	4 US-08-482-073-1	Sequence 1, Appl
19	310	13.7	3863	6 5217870-1	Patent No. 5217870
20	294.8	13.1	3142	1 US-08-110-158-3	Sequence 3, Appl
21	294.8	13.1	3144	5 PCT-US91-05059-1	Sequence 1, Appl
22	240.2	10.6	2969	6 5378464-1	Patent No. 5378464
23	223.4	9.9	1592	2 US-08-252-493C-1	Sequence 1, Appl
24	223.4	9.9	1592	3 US-08-276-197-1	Sequence 1, Appl
25	189.4	8.4	451	1 US-08-340-539A-8	Sequence 8, Appl
26	189.4	8.4	451	2 US-08-461-592B-8	Sequence 8, Appl
27	183.8	8.1	712	1 US-08-340-539A-7	Sequence 7, Appl

28	183.8	8.1	712	2 US-08-461-592B-7	Sequence 7, Appl
29	131.2	5.8	544	1 US-08-340-539A-9	Sequence 9, Appl
30	131.2	5.8	544	2 US-08-461-592B-9	Sequence 9, Appl
31	107.2	4.7	832	1 US-08-340-539A-6	Sequence 6, Appl
32	107.2	4.7	832	2 US-08-461-592B-6	Sequence 6, Appl
33	96.4	4.3	1192	1 US-08-340-539A-3	Sequence 3, Appl
34	96.4	4.3	1192	2 US-08-461-592B-3	Sequence 3, Appl
35	84.2	3.7	363	1 US-08-340-539A-4	Sequence 4, Appl
36	84.2	3.7	363	2 US-08-461-592B-4	Sequence 4, Appl
37	57.6	2.5	7218	1 US-08-232-463-14	Sequence 14, Appl
38	47.4	2.1	7218	1 US-08-232-463-14	Sequence 14, Appl
39	41.6	1.8	289	4 US-09-007-005-17	Sequence 17, Appl
40	41.6	1.8	289	4 US-09-244-796-17	Sequence 17, Appl
41	37	1.6	1430	1 US-08-276-452A-25	Sequence 25, Appl
42	37	1.6	1430	2 US-08-798-744-25	Sequence 25, Appl
43	37	1.6	5852	1 US-07-867-106-2	Sequence 2, Appl
44	35.8	1.6	1179	2 US-08-465-794-4	Sequence 4, Appl
45	35.8	1.6	1179	3 US-09-049-813-4	Sequence 4, Appl

ALIGNMENTS

RESULT 1
US-08-513-278-1
Sequence 1, Application US/08513278
Patent No. 5840844
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APPLICANT: SINGER, MARK S.
APPLICANT: YEDNOCK, TED A.
TITLE OF INVENTION: LYMPHOCYTE HOMING RECEPTORS
NUMBER OF SEQUENCES: 6
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ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patlin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/513,278
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INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2259 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear